

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 1 Q: Consecutive Integers - If the average of five consecutive even integers is  $x$ , what is the smallest integer?  
A:  $x-4$
- 2 Q: Prefixes - What does the prefix mean in these words?  
autocrat, autogamic, autonomy, automatic,  
autosuggestion, autobiographical  
A: self
- 3 Q: Percentage - 80% of R is 20% of S. Therefore, R is what percent of S?  
A: 25%
- 4 Q: Verbs - What is the first transitive verb in the Gettysburg Address?  
A: brought
- 5 Q: First Ladies - What first lady said this when they returned to the nation's capital?  
The enemy cannot frighten a free people.  
We shall rebuild Washington.  
A: Dolley Madison
- 6 Q: Barbary States - In 1777, this Barbary State was the first independent nation to recognize the United States and in 1784 became the first Barbary power to seize an American vessel. Name this country with coastlines on both the Atlantic and Mediterranean.  
A: Morocco
- 7 Q: Coal - Coal is analyzed according to the amount of water, fixed carbon, ash, sulfur, and volatile matter it contains. The amount of which of these substances determines its value as a fuel?  
A: carbon
- 8 Q: Island Parks - The Rapa Nui National Park of Chile includes much of what Pacific island named for a Christian holiday and known for its monumental lava statues called moai?  
A: Easter Island
- 9 Q: River History - These people are associated with the history of what U.S. river?  
Francisco de Ulloa, Hernando de Alarcon,  
Garcia Lopez de Cardenas, Francisco de  
Bolanos, John Wesley Powell  
A: Colorado River
- 10 Q: Quadrilateral Areas - What is the area of a trapezoid with parallel sides of 10 meters and 8 meters and a perpendicular distance between the sides of 4 meters?  
A: 36 square meters

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- 11 Q: Bird Poems - This verse is from a poem about what kind of bird?  
My Aerie, built on craggy cliff,  
or in a tree top high.  
I soar above the reaching hills,  
on lifting winds I fly.
- A: eagle (hawk, falcon, bird of prey)
- 12 Q: Dictators - Who was dictator of the Soviet Union from 1928 to 1953?
- A: Joseph Stalin
- 13 Q: Pyramids - How many faces are there on a nonagonal pyramid?
- A: 10
- 14 Q: Predicates - What are the predicate nominatives in this line?  
Robotics is the science or technology of  
robots.
- A: science, technology
- 15 Q: Affixes - Two prefixes sound alike but are spelled differently. One means "before" and the other means "against." Spell both.
- A: ante-, anti-
- 16 Q: Old West Tragedies - When the Donner Party became marooned in the Sierras, some of the group headed out to what fort originally called New Helvetia around which the city of Sacramento would eventually thrive?
- A: Sutter's Fort
- 17 Q: Ancient Scientists - What ancient Greek from Syracuse had a certain spiral and screw named for him?
- A: Archimedes
- 18 Q: Monarchs - Who is the queen of Australia?
- A: Queen Elizabeth II
- 19 Q: LCMs - What is the least common multiple of 12 and 30?
- A: 60
- 20 Q: Interest Problems - A girl took out a loan for 1 year and 4 months. The interest rate was 6% per annum. At the end of that period she repaid \$432 which included the loan and interest. How much did she borrow?
- A: \$400
- 21 Q: Palindromes - What form of communication completes this palindrome?  
Marge lets Norah see Sharon's ...
- A: telegram

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22 Q: Dunes - The tallest sand dunes in North America are in a national park in what U.S. state?

A: Colorado

23 Q: Life on Earth - During the Paleogene period, mammals dominated the Earth as what class of vertebrates had during the Cretaceous and Jurassic periods?

A: reptiles

24 Q: Shipping Outfits - Shortly after the onset of the California gold rush, a huge demand for cross country shipping followed. In 1852, a new shipping company was formed in New York by Henry Wells and William who?

A: Fargo

25 Q: Petrology - These are examples of which of the three categories of rock?

anhydrite  
marl  
breccia  
travertine  
mudstone

A: sedimentary

26 Q: Quadrilaterals - Quadrilateral ABCD is a parallelogram with congruent diagonals. It must be a what kind of quadrilateral?

A: rectangle

27 Q: Airships - What kind of airships have an outer covering stretched over a metal frame?

A: dirigibles

28 Q: Exponents - Simplify 5 to the negative 2 power.

A:  $1/25$  (.04)

29 Q: Novels - What novel set in 1906 in Georgia opens with Rucker Blakeslee announcing that he is to marry one of his employees who is years younger, even though his wife died just a few weeks before?

A: Cold Sassy Tree

30 Q: Mideast Leaders - Hosni Mubarak became president of what country after the assassination of Anwar Sadat?

A: Egypt

31 Q: California History - In 1542, what explorer sailing under the flag of Castile claimed the area around San Diego Bay for the Spanish Empire?

A: Juan Cabrillo

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32 Q: Geometric Figures - What is the American word for that which the British call a trapezium?

A: trapezoid

33 Q: Theater - In a theatrical setting, what process is similar to a job interview?

A: audition

34 Q: Properties - A chemical property of sulfuric acid is that it is neutralized by alkalis, but what kind of property is illustrated by the fact that water can be decomposed by sodium?

A: chemical property

35 Q: Astronomical Altitudes - An object on the observer's horizon is at an altitude of how many degrees?

A: zero

36 Q: Astronomers - What English astronomer predicted that the same comet that had appeared in 1456, 1531, 1607, and 1682 would also return in 1758?

A: Edmund Halley

37 Q: Physiology - What is supplied to the body by means of the bronchi?

A: air (oxygen)

38 Q: The Cold War - During an eleven-month period in 1948 and 1949, the Soviet Union unsuccessfully tried to completely isolate what European city?

A: Berlin

39 Q: Geographical Goofs - What is geographically wrong with this statement?

If we don't deepen our ports all along the Gulf - places like Charleston, South Carolina, or Savannah, Georgia, or Jacksonville, Florida - those ships are going to go someplace else.

A: These cities are on Atlantic coast.

40 Q: Figures of Speech - What figure of speech is used in these lines by Carl Sandburg?

A white sky bomb fizzed on a black line.  
A rocket hissed its red signature into the sky.

A: onomatopoeia

41 Q: Historic Mines - By 1873, the Comstock Lode had yielded more than \$80 million in gold and more than \$120 million in what other precious metal?

A: silver

42 Q: Hostages - In 1979 when the shah visited the United States for medical treatment, militant Iranians seized the American embassy in what city?

A: Tehran

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43 Q: World War II Vessels - These were what kind of ships?

HMS Hood  
IJN Yamato  
KMS Admiral Graf Spee  
KMS Bismarck  
USS Arizona  
USS Missouri

A: battleships

44 Q: Canada - Prince Edward Island is one of the three Canadian maritime provinces. Name either of the others.

A: New Brunswick, Nova Scotia

45 Q: Anatomical Orientation - Which surface of most fish faces away from the sky?

A: ventral

46 Q: Proverbs - What proverb about "heads" contradicts this one?

Paddle your own canoe.

A: Two heads are better than one.

47 Q: Linear Equations - Solve this equation for y.

$$2y/3 - 1/2 = 5 - y/4$$

A: 6

48 Q: Fictional Character Pairs - What literary term describes the relationship between these pairs of cinematic characters?

Dr. Evil - Austin Powers  
Darth Vader - Luke Skywalker  
Dr. Claw - Inspector Gadget  
Bluto - Popeye  
Lord Zedd - Zordon  
The Joker - Batman

A: archenemies (enemies, foes, adversaries)

49 Q: Clouds - Two of the basic kinds of clouds are cirrus and cumulus. Name either of the others.

A: stratus, nimbus

50 Q: Word Meaning - While the denotation of gold is a malleable, ductile, yellow element, the ideas associated with gold, such as greed, luxury, and avarice, make up what other aspect of its meaning?

A: connotation

51 Q: Embargoes - One of the longest-standing embargoes in history has been imposed by the United States upon what Caribbean island nation?

A: Cuba

52 Q: Functions - If  $f(x) = x^2 + 2x - 1$ , what is  $f(2)$ ?

A: 7

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53 Q: Exponential Multiplication - What is the product of  $x$  to the third power times  $x$  to the sixth power times  $x$  to the eighth power?

A:  $x$  to the 17th power

54 Q: Participial Phrases - What word in this sentence is modified by a participial phrase?  
The alien creature displaying the brightest nose doesn't always have the best personality.

A: creature

55 Q: State Officials - What is the title of a state's most powerful legal official?

A: attorney general

56 Q: U.N. Actions - What is the name for an arrangement made by the United Nations for a period during which opposing forces in a civil war agree to not shooting?

A: cease-fire

57 Q: Canadian History - The Constitutional Act of 1791 gave Quebec the name, Lower Canada, because authorities realized it was impossible to establish a form of government that would satisfy both the English-speaking Protestants and the French-speaking members of what religion?

A: Catholic (Roman Catholic)

58 Q: Beaches - What kind of beach is described as an offshore sandbar?

A: barrier beach

59 Q: Space Gas - What is the name for a cloud of interstellar gas or dust that appears as a fuzzy patch of light in the night sky?

A: nebula

60 Q: Cathedrals - The cathedral of Notre Dame is in what country?

A: France

61 Q: The Stock Market - A bull market is to optimism as a bear market is to what?

A: pessimism

62 Q: Martian Metals - NASA has reported finding ions of Fe, Mg, and Na in the Martian atmosphere. Name these metals.

A: iron, magnesium, sodium

63 Q: Routes - In the early 19th century, this roadway was of tremendous economic importance to the U.S. as the principal route for pioneers moving to the Old Southwest, linking the lower Mississippi Valley to the northern states. It was called the Natchez what?

A: Trace

64 Q: City Nicknames - In what state would you find the People's Republic of Boulder, the Switzerland of America, and the Mile-High City?

A: Colorado

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65 Q: Metric Conversion - To the nearest 10, convert the 324-meter height of the Eiffel Tower to yards.

A: 350

66 Q: Metals - Mixing iron, which is very soft when pure, with just a small amount of various other metals, can increase its hardness by up to 1000%. Name this process of combining metals.

A: alloying

67 Q: Extraterrestrial Transportation - A principle discovered by what ancient Greek explains why a blimp could not fly on the Moon?

A: Archimedes

68 Q: Combining Sentence - Combine these two sentences such that the information in the second is used as an appositive in the first.

In 1733 Franklin published a book.  
It was an almanac.

A: In 1733 Franklin published a book, an almanac.

69 Q: Scientific Predictions - In 1932, he said, "There is not the slightest indication that nuclear energy will ever be obtainable. That would mean the atom would have to be shattered at will." Name this scientist famed for his deceptively simple equation that describes the relationship between mass and energy.

A: Albert Einstein

70 Q: Medical Puns - "A person who has fainted" is a punned definition of what term that actually indicates a patient receiving hospital services who has not been formally admitted?

A: outpatient

71 Q: Matter - What property of matter is defined as either the mass per unit volume or the number of atoms or molecules per unit volume?

A: density

72 Q: Verbs - What kind of verbs are the first verbs in each of these sentences?

We will eat crow.  
It might rain in Spain.  
You must pay the rent.  
I can paddle a boat, canoe?

A: auxiliary (or helping) verbs

73 Q: Infestations - For about eight months in 1915, swarms of what insects stripped Palestine of practically all vegetation?

A: locusts (grasshoppers)

74 Q: Constellation Abbreviations - If CMa stands for the constellation Canis Major, for what does CMi stand?

A: Canis Minor

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75 Q: Relationships - The son of the sister of your spouse bears what relationship to you?

A: nephew

76 Q: Nominals - Nominals are words or structures in sentences that function as what part of speech?

A: nouns

77 Q: Algebraic Squares - Square  $2x + 5$ .

A:  $4(x^2) + 20x + 25$

78 Q: Fiction - These works all illustrate what kind of fiction?

Earthsea  
Dragoncharm  
The Dark is Rising  
The Circus of Dr. Lao  
The Bartimaeus Trilogy  
The Princess and the Goblin

A: fantasies

79 Q: Holidays - In what country are there national celebrations of Yitzhak Rabin's Remembrance Day and Holocaust Remembrance Day?

A: Israel

80 Q: European History - These were among the conditions that brought about what movement in the 16th century?

-abuses of the pontifical financial system  
-the ignorance and coarseness of the clergy  
-the buying and selling of Church positions  
-corruption in the Church hierarchy  
-payments for the absolution of sins

A: Reformation

81 Q: Disease Etymology - The name for what acute viral disease was derived from rabere, the Latin word for "rage" or "rave"?

A: rabies

82 Q: Zoology - The structure of sharks and rays is entirely composed of what tough and rubbery connective tissue?

A: cartilage

83 Q: Mixture Algebra - Express algebraically the cost in cents of a mixture of  $x$  pounds of coffee at \$1.35 per pound and  $y$  pounds of coffee at \$.85 per pound.

A:  $135x + 85y$

84 Q: Valley Forge - About six months after the Continental Army withdrew to a winter of hardship at Valley Forge, it was able to retake what Pennsylvania city?

A: Philadelphia



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85 Q: Art Forms - These are examples of what kind of paintings?

View of Dedham  
A Field of Poppies  
Dover Plains  
Cotopaxi  
Valley of Mexico  
Adirondack Mountains  
The Alps

A: landscapes

86 Q: Awards - Queen Elizabeth II awarded Tenzing Norgay the George Medal for what accomplishment he shared with Edmund Hillary?

A: climbing Mt. Everest

87 Q: Down with the Persians - Around 330 B.C., the forces of Alexander the Great cleared the Persians out of Anatolia, a region that today is mostly occupied by what country?

A: Turkey

88 Q: Big Clocks - What is the popular name for the great clock tower that was completed in London in 1858?

A: Big Ben

89 Q: Triangles - The measures of the angles in a triangle are in the ratio of 3 to 4 to 5. What is the measure of the largest angle?

A: 75 degrees

90 Q: Energy Conversions - Depending on their purpose, windmills may directly convert the kinetic energy of wind into what two other forms of energy?

A: electrical, mechanical

91 Q: U.S. Expansion - The U.S. acquired the land comprising what territory and future state after the Gadsden Purchase but before Hawaii?

A: Alaska

92 Q: Geometric Solids - What solid is a polyhedron with one base which is any polygon and additional faces which are triangles with a common vertex?

A: pyramid

93 Q: Amphibians - Frogs and toads comprise one of the three main types of amphibians. Caecilians comprise another. The third group consists of newts and what other lizard-like creatures?

A: salamanders

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94 Q: Getting Someone's Attention - Grammatically speaking, what kind of address is illustrated in these lines?

Igor, cover up that hump.  
Roger, get that scorpion off your leg.  
Annie, sing us a tune.

A: direct address

95 Q: Energy - This is about what kind of power plant?

To generate the same amount of electricity as one of these, you would need 60 square miles of solar panels or 300 wind turbines, each 660 yards in diameter, covering an area the size of a large city.

A: nuclear power plant

96 Q: Lunar Agriculture - In 2019, what country attempted to sprout and grow cotton on the lunar surface?

A: China

97 Q: Courtroom Procedure - Name the act of calling the court's attention to something that the counsel of one of the parties in a lawsuit considers improper or illegal.

A: objection

98 Q: Triangles - The vertex angle of an isosceles triangle is 3 times as great as the base angle. What is the measure of either base angle?

A: 36 degrees

99 Q: Journalism History - In 1876, the journalist Marcus Kellogg filed a report from Montana with these words.

We leave the Rosebud tomorrow and by the time this reaches you we will have met and fought the red devils, with what result remains to be seen.

Four days later, Kellogg and the troops of the 7th Cavalry were all killed in what battle?

A: Battle of the Little Bighorn

100 Q: Temperatures - The freezing point of the element mercury is -38.83 degrees Celsius. This is also known as what other point for mercury?

A: melting point

101 Q: Verbs - Name a modal verb that begins with the letter "m".

A: may, must, might

102 Q: Technological Facilities - The Baikonur Cosmodrome in Kazakhstan is the same sort of facility that is located at what cape in the United States?

A: Cape Canaveral

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- 103 Q: Diseases - Dermatoses are diseases of what body system?  
A: integumentary system (skin)
- 104 Q: Asian Nations - Name either country that occupies the peninsula between the Yellow Sea and the Sea of Japan.  
A: North (South) Korea
- 105 Q: Gruesome Tales - What kind of creature is Polyphemus, the giant that devours several of Odysseus' men when they are blown to his island?  
A: Cyclops
- 106 Q: Proverbs - What is the last word in this proverb?  
And look before you ere you leap  
For as you sow, you're like to ...  
A: reap
- 107 Q: Number Problems - Three times a number increased by ten equals twenty less than six times the number. What is the number?  
A: 10
- 108 Q: Great Britain - During much of the 20th century, in what part of the United Kingdom was there enduring strife between the Protestant majority and the Catholic minority?  
A: Northern Ireland
- 109 Q: Metals - If a substance can be extruded through a die to produce a wire, that substance has what physical property?  
A: ductility
- 110 Q: Energy - The source of almost all the energy on Earth is ultimately what nuclear process?  
A: fusion
- 111 Q: Courts - What is the name for the statements given under oath by a competent witness in a court of law?  
A: testimony
- 112 Q: Colonial Ministers - When Roger Williams emigrated from England to Boston in 1631, he declined an offer to become minister of the first Boston congregation because it had not formally separated from what church?  
A: Anglican (Church of England)
- 113 Q: Distance Problems - At a constant speed of 66 kilometers per hour, how far does a vehicle travel in 99 minutes?  
A: 10.9 kilometers
- 114 Q: Treaties - In 1863, Chief Pocatello signed the treaty of Box Elder, bringing peace to the emigrant trails of northern Utah and the southern part of what other future state?  
A: Idaho

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115 Q: Minerals - On the Mohs scale, what is the hardness of the mineral from which talcum powder is made?

A: 1

116 Q: Presidents - These have been presidents of what country?

Jacques Chirac  
Nicolas Sarkozy  
Francois Hollande  
Emmanuel Macron

A: France

117 Q: Ancient Calamities - What caused the catastrophe described in this passage?

In the year 365, ships in the harbor at Alexandria were overturned as the water near the coast receded suddenly. Many people rushed out to loot the stranded ships. Then a wave rushed in and carried the ships over the sea walls, killing some 5000 people and destroying some 50,000 homes.

A: tsunami (or earthquake)

118 Q: Summit Meetings - Who was the first U.S. president to meet a North Korean head of state face to face?

A: Donald Trump

119 Q: Predicates - Predicate nominatives may be what two parts of speech?

A: noun, pronoun

120 Q: Settings - What concentration camp is the main setting for the novel, "The Boy in the Striped Pyjamas"?

A: Auschwitz

121 Q: Plane Geometry - What kind of planes never intersect and are everywhere equidistant from one another?

A: parallel planes

122 Q: Monarchs - Who became the British monarch when King George VI died in 1952?

A: Elizabeth II

123 Q: Peninsulas - The Cape York, Eyre, and Tasman peninsulas are part of what country?

A: Australia

124 Q: Expression Simplification - Simplify this expression using exponents.  
 $3q^2qr^2s^3$

A:  $3(q^3)(r^2)(s^3)$

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125 Q: Aviation Pioneers - On her first flight across the Atlantic in 1928, she said of herself that she had merely been a passenger, "a sack of potatoes," who kept a log. Then, in 1932, she made the trip solo, becoming the first woman to do so. Name her.

A: Amelia Earhart

126 Q: Language Errors - What is illustrated by these phrases?  
merge together, just exactly, pre-plan,  
final outcome, mental attitude

A: redundancy (unnecessary repetition)

127 Q: Revolutionary War Engagements - A week after George Washington's army crossed the Delaware and defeated the Hessian mercenaries at Trenton, they executed a night march and captured what other New Jersey city?

A: Princeton

128 Q: Antecedents - What is the antecedent in this line?  
Economists are people who work with numbers  
but who have the personalities to become  
accountants.

A: people

129 Q: 19th-Century U.S. Cities - What American city that was the hub of the national rail network also pioneered the use of steel frame construction in skyscrapers?

A: Chicago

130 Q: Technology Grabs - At the end of World War II, what two countries ended up with most of the V-2 German rocket technology?

A: U.S., Soviet Union

131 Q: Neighbors - The northern borders of Ecuador and Peru are formed by what country?

A: Colombia

132 Q: Archaeology - Name the most significant ancient civilization to use catacombs as burial passages.

A: Rome

133 Q: Fields of Science - What phenomenon does an acoustician study?

A: sound

134 Q: Controversial Moves - Which American president was involved in a major controversy over his decision to forcibly remove Indian tribes from the southeastern U.S. to territory farther west?

A: Andrew Jackson

135 Q: Etymology - The term "somnolence" was derived from the Latin word "somnus" which means what?

A: sleep

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- 136 Q: Law Enforcement - In law enforcement, what is another verb for patting down a suspect?  
A: searching (frisking)
- 137 Q: Historical Remarks - What Italian leader said this in 1934?  
We have buried the putrid corpse of liberty.  
A: Benito Mussolini
- 138 Q: Medical Prefixes - What is the meaning of the prefix in hemicrania, hemihypertrophy, hemicolectomy, and hemiplegia?  
A: half
- 139 Q: Planet Names - What planet has a Roman name equivalent to that of Poseidon in Greek mythology?  
A: Neptune
- 140 Q: 20th-Century Fighting - This is about what conflict?  
Neither side gained more than several hundred yards of territory over the course of years of trench warfare.  
A: World War I
- 141 Q: The Sun - What are the two most abundant volatiles in the Sun?  
A: hydrogen, helium
- 142 Q: Alliances - The 1939 Pact of Steel was superseded in 1940 by the Tripartite Pact when what country became the third part of the triad?  
A: Japan
- 143 Q: Legislation - The Indian Removal Act of 1830, providing for general relocation of Indians to lands west of the Mississippi, was signed by what president?  
A: Andrew Jackson
- 144 Q: British Columbia - What three U.S. states form parts of the southern boundary of British Columbia?  
A: Washington, Idaho, Montana
- 145 Q: Borders - If you crossed the northern border of Kazakhstan, you would enter what country?  
A: Russia
- 146 Q: Radicals - Simplify this expression.  
cube root of  $((3p-2)^3)$   
A:  $3p-2$
- 147 Q: Mideast Waters - What is the current name for the body of water known in antiquity as the Sea of Lot, the Eastern Sea, the Sea of Arabah, the Asphaltite Sea, the Sea of Salt, and the Sea of Death?  
A: Dead Sea

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- 148 Q: Binary Numeration - Express the binary number 10.1 as a decimal number.
- A: 2.5
- 149 Q: Civil War States - The three U.S. states admitted to the Union during the Civil War were Kansas, West Virginia, and what landlocked western state?
- A: Nevada
- 150 Q: Flight Metrics - The fastest of all known flying animals is the peregrine falcon, which, when diving, has been recorded flying at 300 kilometers per hour, or about how many miles per hour?
- A: any value between 180 and 186
- 151 Q: Mixture Problems - Given that there are 128 ounces in 1 U.S. gallon, at a 40:1 gas to oil mixing ratio, how many ounces of 22-cycle oil should be added to 5 gallons of gas?
- A: 16 ounces
- 152 Q: Homophones - Spell the term meaning a device in which laundry is pressed between rollers to extract water that is a homophone for a horseshoe thrown so it encircles the stake.
- A: wringer
- 153 Q: Maps - What kind of map shows features such as rock strata, rock units, faults, folds, strikes, and dips?
- A: geologic map
- 154 Q: Triangle Areas - What is the area of a triangle with sides of 6, 8, and 10 inches?
- A: 24 square inches
- 155 Q: Reproduction - What type of reproduction involves no exchange of genetic material between organisms?
- A: asexual
- 156 Q: Predicates - What is the term for that which follows a linking verb and tells what the subject is?
- A: predicate nominative
- 157 Q: Economics - What term from economics indicating people and companies that manufacture goods is also used in ecology for photosynthetic plants or autotrophic organisms?
- A: producer
- 158 Q: Number Problems - The difference between two numbers is 40 and their ratio is 6 to 5. What are the numbers?
- A: 200 and 240
- 159 Q: Radiation - Name the extremely energetic particles that travel through space at nearly the speed of light and form a great deal of Earth's background radiation.
- A: cosmic rays

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- 160 Q: Crime Statistics - In a city with a population of 200,000 there were 5,000 violent crimes last year. What is the violent crime rate per 1000 residents?
- A: 25
- 161 Q: Spanish - "Siempre" is a Spanish word meaning what?
- A: always
- 162 Q: War of 1812 - Shortly after the British major general Robert Ross burned several of the public buildings in Washington D.C., he was killed by an American sniper while attacking what city in Maryland?
- A: Baltimore
- 163 Q: Sunburn - Usually, the peeling that results from sunburn affects which layer of the skin?
- A: epidermis
- 164 Q: Legislatures - The Bundesrat and the Bundestag are the two houses of parliament in what country?
- A: Germany
- 165 Q: Folk Music - An informal performance by folk singers is what kind of "nanny"?
- A: hootenanny
- 166 Q: Water Resources - About 90% of the water supply for Las Vegas, Nevada, comes from what lake?
- A: Lake Mead
- 167 Q: Theater - What is the name for the section of the stage farthest away from the viewing audience?
- A: rearstage
- 168 Q: Archaeology - The oldest Stone Age tools have been unearthed on what continent?
- A: Africa
- 169 Q: Colonial Chronology - Georgia was founded in 1733. That was how many years after Jamestown?
- A: 126
- 170 Q: Government Forms - What "ism" indicates a form of government in which all power is held by a single ruler?
- A: absolutism (despotism, totalitarianism)
- 171 Q: Physiology - Gastric acid is produced by cells lining what organ?
- A: stomach
- 172 Q: City-States - What contemporary city-state is a principality adjacent to the Mediterranean Sea?
- A: Monaco



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173 Q: Cinema - What art form is central to these films?

Footloose  
Singing in the Rain  
Step Up  
Take the Lead  
All That Jazz  
Saturday Night Fever  
Breakin'  
Strictly Ballroom

A: dance

174 Q: Major Structures - What architectural marvel completed during the reign of Emperor Shih Huang Ti was originally 1500 miles long?

A: Great Wall

175 Q: Geological Careers - This is about people engaged in what career?

Wherever there appears to be a hot spot,  
they dot the region with seismometers to  
track quakes and tiltmeters to detect bulges  
and check the ground for telltale gases.

A: volcanology

176 Q: Quartets - Members of a barbershop quartet include the lead, baritone, bass, and what other?

A: tenor

177 Q: Novel Numbers - Had there been thirteen children in the family upon which the novel "Cheaper by the Dozen" was based, the authors would have had to call it "Cheaper by the" what?

A: Baker's Dozen

178 Q: Force - What is a common example of a non-contact force that affects all materials?

A: gravity

179 Q: Extraordinary Teeth - What marine mammal has a single twisted tooth emerging from the front of its jaw that continues growing up to around nine feet in length?

A: narwhal

180 Q: Allusions - An allusion referring to strength and permanence was derived from what rock at the western end of the Mediterranean?

A: Gibraltar

181 Q: Cavalrymen - George Custer's career ended abruptly near what river in Montana?

A: Little Bighorn

182 Q: Asian Unrest - Terrible bloodshed occurred in India after World War II as what two religious groups fought one another?

A: Muslims and Hindus

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 183 Q: Journalism Jargon - Sometimes this term which is a homonym for a term in geometry is called a slant. What is another term used in journalism for a particular emphasis or approach in a story?
- A: angle
- 184 Q: Amendments - According to the 9th Amendment, the enumeration in the Constitution of certain rights shall not be construed to deny or disparage others retained by what?
- A: the people
- 185 Q: Verbs - What kind of verbs are illustrated in these examples?  
-After losing the cribbage match of the century, Ron became morose.  
-The auk in the wedding dress looked radiant.
- A: linking verbs
- 186 Q: Ancient Art - What art form is illustrated by Inscription Rock in South Sinai, the Lianungan Rock Engravings in China, the Wanshan Rock Carvings Archaeological Site in Taiwan, and the Rock Engravings of Grosio in Italy?
- A: petroglyphs
- 187 Q: Palaces - What spectacular palace with more than 700 rooms and 1200 fireplaces was the royal residence of France from 1682 until the beginning of the French Revolution in 1789?
- A: Palace of Versailles
- 188 Q: Seafaring Civilizations - What ancient civilization on the western coast of the Fertile Crescent had colonies around the Mediterranean in locations as far away as modern Spain and Morocco?
- A: Phoenicia
- 189 Q: Business Vocabulary - What term that in chemistry means "capable of dissolving another substance" also means that a business is financially sound and able to meet its monetary obligations as they come due?
- A: solvency (solvent)
- 190 Q: Oceanic Trenches - In what ocean are these trenches?  
Izu Trench  
New Hebrides Trench  
Tonga Trench
- A: Pacific
- 191 Q: Birds - Which body system of a bird begins with the two holes in its rostrum?
- A: respiratory system
- 192 Q: Mythical Objects - Name the one-eyed giants who created Zeus' thunderbolts, Poseidon's trident, and Hades' helmet of invisibility.
- A: Cyclopes

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 193 Q: The Sun - What envelope encircling the Sun is hotter by a factor of nearly 200 than that star's surface?
- A: corona
- 194 Q: Indigenous Analogies - Aborigine rights are to Australia as Maori rights are to what other nation?
- A: New Zealand
- 195 Q: Circles - If the vertex of an angle lies on a circle and the sides of the angle intercept the circle, the measure of the inscribed angle is what fraction of the arc it intercepts?
- A:  $1/2$
- 196 Q: Plain Products - Generic products are generally distinguished by the absence of what kind of name?
- A: brand name
- 197 Q: Adjectives - What three degrees of adjectives are in this example?  
I'm tough and you're tougher but Beulah is the toughest of all.
- A: positive, comparative, superlative
- 198 Q: Military Leaders - What was the last war that General Douglas MacArthur was officially involved in?
- A: Korean War
- 199 Q: Coinage - In the 1890s, William Jennings Bryan demanded the unlimited coinage of what metal?
- A: silver
- 200 Q: Special Days - Every couple of years, the first Tuesday after the first Monday in November has what significance in the U.S.?
- A: Election Day
- 201 Q: Popular Revolutions - In 1986, Ferdinand Marcos was overthrown by a revolt led by Corazon Aquino in what country?
- A: Philippines
- 202 Q: Town Names - In what state are there cities named after such people as Davey Jackson, Jacques La Ramee, Philip Sheridan, Caspar Collins, and Weston Gillette?
- A: Wyoming
- 203 Q: Speed Problems - It's 600 miles to Yellowstone. The first half of the trip is completed in  $6 \frac{1}{2}$  hours and the second half is completed in  $5 \frac{1}{2}$  hours. What is the average speed for the entire trip?
- A: 50 mph

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

204 Q: Root Words - The stem of the word "vaccination" is derived from a Latin word referring to what kind of animals?

A: cows

205 Q: Crimes - A woman convicted of polygamy has two or more what?

A: husbands

206 Q: Law Enforcement - In a British identity parade, several individuals with similar physical characteristics are viewed by a witness through a one-way mirror to see if the suspect can be identified. In the U.S., what is this procedure called?

A: lineup

207 Q: Ancient India - The Aryans of ancient India established what kind of system by which a person was born as a servant, a farmer or merchant, a priest, or a soldier?

A: caste system

208 Q: Mathematical Properties - For all real numbers a and b, if  $a = 0$  or  $b = 0$ , then  $ab$  equals what?

A: 0

209 Q: Explorers - A land bridge, a glacier, an island, a sea, and a strait were all named in honor of what 18th-century officer in the Russian navy?

A: Vitus Bering

210 Q: Passings - This is about what American leader?

His last days were spent in a cottage lent to him near Saratoga Springs, New York. Working hard to finish his memoirs in a race against death from throat cancer, the former president dashed off a series of poignant notes to his personal physician.

A: Ulysses Grant

211 Q: Symptoms - Name the symptom involving an uncontrollable shaking of a hand, arm, or leg due to muscle quivering?

A: tremors (spasms, trembling, shivering)

212 Q: Communism - Initially established in 1922, name the first Communist state.

A: U.S.S.R. (Soviet Union)

213 Q: Pyroclastics - Fragments of molten or semi-molten rock, up to several feet in diameter, that are ejected during explosive volcanic eruptions are called what?

A: bombs (volcanic bombs)

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

214 Q: American Law - What kind of law was imposed by General Andrew Jackson on New Orleans in 1812, by the mayor of Chicago in response to the great fire of 1871, on San Francisco in the aftermath of the 1906 earthquake, and on Hawaii following the Japanese attack on Pearl Harbor?

A: martial law

215 Q: Colonies - Until 1973, the Bahamas were a colony of what European country?

A: Great Britain

216 Q: Presidential Quotes - Addressing a group of businessmen in 1932, what U.S. president mistakenly said this?

Prosperity is just around the corner.

A: Herbert Hoover

217 Q: Density - You have a cube of steel 5 centimeters on a side with a mass of 975 grams. What is the density of this sample in grams per cubic centimeter?

A: 7.8

218 Q: Archaic Language - What part of speech is the first word in this line from "Macbeth"?

Alack, I am afraid they have awaked,  
and 'tis not done.

A: interjection

219 Q: Probability - In a bag are 88 billiard balls and 68 of them are striped. In lowest terms, what is the probability that the first ball randomly pulled from the bag will be striped?

A: 17/22

220 Q: Chimneys - Name the enclosed passageway in a chimney that carries off smoke.

A: flue

221 Q: Fractional Equations - Solve this equation for q.

$$\frac{4}{5} + \frac{3}{q} = 2$$

A: 2.5 (or 2 1/2 or 5/2)

222 Q: Speed Problems - Two motorcycles leave from the same place, one traveling north and the other south. One bike is going ten miles per hour faster than the other, and the two bikes are 342 miles apart in three hours. What is the speed of the faster bike?

A: 62 mph

223 Q: Grammatical Analysis - What is the interrupter in this example?

He replied, "Anarchy, on the other hand, means  
no rule and no government and no future."

A: on the other hand

224 Q: Colonial Failures - In 1584, Sir Walter Raleigh attempted to establish what English colony on a three-mile strip of land off the coast of present-day North Carolina, south of Albemarle Sound?

A: Roanoke

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

225 Q: U.S. States - What state has the longest contiguous border east of the state with these cities?  
Moberly, Sedalia, Joplin, Hannibal

A: Illinois

226 Q: Factoring - What are the prime factors of 8008?

A:  $2 \times 2 \times 2 \times 7 \times 11 \times 13$

227 Q: Angles - What is the supplement of an angle whose complement is 20 degrees?

A: 110 degrees

228 Q: Homonyms - What term for a malignant disease is also the name for one of the zodiacal constellations?

A: cancer

229 Q: Probability - One marble is drawn randomly from a bag with 3 red, 2 white, and 4 blue marbles. What is the probability that it is blue or red?

A:  $\frac{7}{9}$

230 Q: Conversions - What do you get if you double a Celsius temperature, subtract ten percent of the doubled temperature, and add 32?

A: degrees Fahrenheit

231 Q: Snakes - What kind of vipers are moccasins, lanceheads, bushmasters, and rattlesnakes?

A: pit vipers

232 Q: Herbicides - If one-sixteenth of the total amount of the herbicide oxadiazon remains in the soil after 240 days, what is the half-life of this poison?

A: 60 days

233 Q: International Relations - Despite Woodrow Wilson's leading role in founding the League of Nations, the U.S. never joined. At that time, U.S. foreign policy opposed becoming involved in quarrels of other nations. Name this kind of policy.

A: isolationism

234 Q: Mysteries - Spell the name for a type of mystery story dealing with solving a crime that is an alteration of "who done it."

A: whodunit

235 Q: Boycotts - What American president told top American athletes that the U.S. would boycott the 1980 Olympics in Moscow?

A: Jimmy Carter

236 Q: Pancake Problems - With a certain batter recipe, you can make 8 pancakes with 10 inch diameters. How many pancakes with 2 inch diameters could be made with the same recipe?

A: 200

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

237 Q: Latin America - What is the capital of Central America's smallest and most densely populated country?

A: San Salvador

238 Q: Triangles - If there are  $x$  degrees in each base angle of an isosceles triangle, how many degrees are in the vertex angle?

A:  $180 - 2x$

239 Q: Old West Newspaper Articles - This is an excerpt from a story in a newspaper of what town? Sometime Tuesday, Ike Clanton came into town and during the evening had some little talk with Doc Holliday and Marshal Earp, but nothing to cause either to suspect that the cowboys intended to clean out the Earps.

A: Tombstone, Arizona

240 Q: Poetic Morals - This is the moral of what poem by John G. Saxe?  
So oft in theologic wars,  
The disputants, I ween,  
Rail on in utter ignorance  
Of what each other mean,  
And prate about an Elephant  
Not one of them has seen!

A: The Blind Men and the Elephant

241 Q: Proportions - What is  $p$  if  $p/7$  equals  $5/9$ ?

A:  $35/9$  (or  $3\frac{8}{9}$ )

242 Q: Botany - This is about what structures in plants? Some have only one pistil and others more than one. Some produce both pistils and stamens and others have only a pistil or only stamens. Some have no sepals or petals.

A: flowers

243 Q: Borders - The British retained Vancouver Island and the U.S. gained formal control over the land that would become Oregon, Washington, Idaho, and Montana when, in 1846, the border separating the U.S. and Canada was established at what parallel?

A: 49th

244 Q: Sentences - Compound sentences must contain two independent what?

A: clauses

245 Q: Rain Speed - The maximum speed of a raindrop is about 18 miles per hour or what to the nearest kilometer per hour?

A: 29

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

246 Q: Lost Mines - If it ever actually existed, Death Valley Scotty's secret mine had to have been in one of what two states?

A: California, Nevada

247 Q: Types of Towns - Goma was an African town abandoned because of volcanic activity. Caraibas, Brazil was abandoned following earthquake activity there. Anyox and Hedley were abandoned because of failed economic activities. What phrase describes such abandoned communities?

A: ghost towns

248 Q: Objects - Grammatically speaking, name the three kinds of objects in this sentence.  
She gave Tim a thrashing for his defiance.

A: indirect, direct, and object of preposition

249 Q: Expressions - Quibbling over fine distinctions is splitting what?

A: hairs

250 Q: Rock - What common, glassy, extrusive igneous rock is produced when felsic lava from a volcano cools rapidly with minimal crystal growth?

A: obsidian

251 Q: Root Words - What is the meaning of the root in audience, auditory, audible, and auditorium?

A: hear

252 Q: Fish Fins - The main function of what fin on a fish or porpoise is stabilization against rolling?

A: dorsal fin

253 Q: Metaphors - These are examples of what kind of metaphors?

- Milking the workers for all they were worth,  
the foreman barked orders at them all day.
- They lost sight of the big picture and marched  
to a different drummer.

A: mixed metaphors

254 Q: Body Parts - Without what thin cartilaginous structure at the base of your tongue, you would choke every time you ate something?

A: epiglottis

255 Q: Currency Slang - Canada produces a one-dollar coin called a loonie because of the bird pictured on the reverse side. Due to its popularity, a rumor began circulating that Canada would also soon offer a two-dollar coin with what name reminiscent of a gold coin used in Spanish America?

A: doubloonie

256 Q: Sports Injuries - What is the common name for the condition described by athletes as a pain in the front of the lower leg between the knee and ankle?

A: shin splints



## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 257 Q: Marine Disasters - The U.S.S. Scorpion and the U.S.S. Thresher were both lost at sea. What kind of vessels were they?
- A: submarines
- 258 Q: Biological Etymology - The name for what category of organisms requiring hosts was derived from Greek words meaning "a person who eats at someone else's table"?
- A: parasite
- 259 Q: Medical Specialists - An ophthalmic surgeon deals with treating diseases and injuries of what organ?
- A: eye
- 260 Q: Scottish Folk Tunes - "One Scottish folk tune is about the bonnie, bonnie banks of Loch Lomond. What is the American word for "loch"?"
- A: lake
- 261 Q: Poems to Monarchs - In Phillis Wheatley's poem, "To the King's Most Excellent Majesty," she praises what king for repealing the Stamp Act?
- A: George III
- 262 Q: Punctuation - What punctuation mark is called for by compound adjectives?
- A: hyphen
- 263 Q: Zoological Sociology - What adjective indicates any animal that has only a single mate?
- A: monogamous
- 264 Q: Libraries - The Abraham Lincoln Presidential Library is in what state?
- A: Illinois
- 265 Q: Looking Glass Grammar - What part of speech are the words in this quote that are not nouns or conjunctions?  
Jam tomorrow and jam yesterday but  
never jam today.
- A: adverbs
- 266 Q: Flight - The Wright Brothers Flyer used wing warping to control the plane's rolling and banking movements. What structures on wings proved to be a much better alternative for those controls?
- A: ailerons
- 267 Q: Trapezoids - What is the length of the median of a trapezoid if the sum of the lengths of its bases is 16?
- A: 8
- 268 Q: Gases - What is the most abundant product produced by the fractional distillation of air?
- A: nitrogen

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

269 Q: Revolutionary Heroes - What hero of the American War of Independence later helped write the French Bill of Rights?

A: Marquis de Lafayette

270 Q: Disorders - What organ is affected by tachycardia and bradycardia?

A: heart

271 Q: Absolute Value - From the greatest prime number less than 100 subtract the absolute value of -102.

A: -5

272 Q: Arthropods - Millipedes have how many pairs of legs per segment?

A: 2

273 Q: Acids - What halogen is common to all these acids?  
perchloric, hydrochloric, hypochlorous,  
chlorous, and chloric

A: chlorine

274 Q: Federal Agencies - The FBI is the primary investigative arm of what U.S. cabinet department?

A: Department of Justice

275 Q: Blurbs - This is about what novel?  
In the spring of 1863, while engaged in the  
fierce battle of Chancellorsville in Virginia,  
a young Union soldier matures to manhood and  
finds peace of mind as he comes to grips with  
his conflicting emotions about war.

A: The Red Badge of Courage

276 Q: Botany - What is the general name for weak-stemmed plants that grow clinging to vertical supports by means of twining stems or tendrils?

A: vines

277 Q: Bungee Physics - You leap off a bridge on a bungee cord, and for a while you spring up and down but eventually come to rest when the downward force of gravity and the pull of the cord upward are in balance. Name this final state of unaccelerated motion.

A: equilibrium

278 Q: Animal Characteristics - Quadruped amphibians with smooth, moist skin, no scales, no claws, a blunt nose, and bulging eyes are classified as what kind of animals?

A: salamanders

279 Q: Writing - What writing error is illustrated in these phrases?  
hired mercenary  
lifeless corpse  
old adage

A: redundancy

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 280 Q: Olympic Malapropisms - What word should have been used in this statement?  
They crowned the Olympic victors  
with garlics in their hair.
- A: garlands
- 281 Q: Modern Marketing - Who sold two reapers in 1841, seven in 1842, and almost sixteen hundred in 1854?
- A: Cyrus McCormick
- 282 Q: First Aid - If you were sitting in a cafe and someone at the next table suddenly cannot speak, turns blue, and collapses, you should immediately administer what lifesaving technique?
- A: Heimlich maneuver
- 283 Q: Roads - The Silk Road connected China at its eastern end with what sea at its western end?
- A: Mediterranean Sea
- 284 Q: Body Hollows - In mammals, what body cavity is below the thoracic cavity and above the pelvic cavity?
- A: abdominal cavity
- 285 Q: Abnormalities - Cardiac hypertrophy is the increase in the size of what organ?
- A: heart
- 286 Q: Energy - Name the process in which rays or waves of energy travel through a vacuum.
- A: radiation (propagation)
- 287 Q: Peninsular Capitals - Pyongyang is one of the two capital cities on the same Asian peninsula. Name the other.
- A: Seoul
- 288 Q: Medical Language - "Hypodermic" means "beneath the" what?
- A: skin (dermis)
- 289 Q: Archaeology - Name the stage in the development of civilization following the Stone Age when metal replaced stone for tools and weapons.
- A: Bronze Age
- 290 Q: War Powers - After the First World War, the European powers lost their supremacy. Name the capital cities of the two most powerful nations after the war.
- A: Washington, Moscow
- 291 Q: Horsepower - If an airplane engine consumes 1/2 pound of fuel per horsepower and it is producing 200 horsepower, to the nearest tenth, how many pounds of fuel is it consuming per second?
- A: 1.7

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 292 Q: Circles - The area of one circle is  $\frac{1}{9}$  that of another. Given 3 as the radius of the smaller circle, what is the radius of the larger one?
- A: 9
- 293 Q: Astronomical Phenomena - The peak optical luminosity of what astronomical phenomenon can be comparable to that of an entire galaxy before fading in the following weeks?
- A: supernova
- 294 Q: Etymology - The adjective "jovial" was derived from the name of what Roman deity?
- A: Jove (Jupiter)
- 295 Q: Gorgeous Gorges - Since the bottom of the Kali Gandaki Gorge is some 6400 meters lower than the top of Annapurna which is adjacent to it, this gorge must be in what mountain range?
- A: Himalayas
- 296 Q: Fantasy Novel Characters - These are main characters in what novel by Ray Bradbury set in October in the Midwest?  
Will and Charles Halloway, Jim Nightshade,  
G.M. Dark, J.C. Cooger, Miss Foley
- A: Something Wicked This Way Comes
- 297 Q: Paleogeology - Ancient climate belts were in much different locations than modern climate belts. This can be explained in two ways. Either the continents remained motionless and the poles shifted, or the poles were motionless and the continents did what?
- A: moved
- 298 Q: Clauses - What is the adverbial clause in this?  
After the Great Auk spoke, the entire audience gasped and swooned.
- A: After the Great Auk spoke
- 299 Q: Lizards - Living in Asia, the world's largest lizard is known as what dragon?
- A: Komodo
- 300 Q: Governance - What is the governing body of the Olympics?
- A: IOC (International Olympic Committee)
- 301 Q: World Exploration - These instruments were all used by early explorers in what science or art?  
cross-staff, chronometer, octant,  
log and line, mariner's compass, astrolabe
- A: navigation
- 302 Q: Novels - In what story by Daniel Keyes do Charlie Gordon and a mouse undergo experimental surgery to improve their intelligence?
- A: Flowers for Algernon

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

303 Q: One in Holes - In 2003, American soldiers found what former Iraqi dictator in an 8-foot-deep hole nine miles from his hometown of Tikrit?

A: Saddam Hussein

304 Q: Trapezoids - What is the name for the parallel sides of a trapezoid?

A: bases

305 Q: Empires - Around 330 B.C., what leader built an empire stretching from modern Greece to the Indian subcontinent?

A: Alexander the Great

306 Q: Ear Anatomy - Name the region of the ear between the eardrum and the cochlea.

A: middle ear

307 Q: Novels - In what story by Barbara Kingsolver is an Oklahoma woman left with a Cherokee infant she names Turtle?

A: The Bean Trees

308 Q: Heteronyms - What word can refer to either the projecting upper edge of a steep hill or the ridge over the eyes?

A: brow

309 Q: Wordplay - What form of humor is illustrated in this?  
The ethernet is used to catch the etherbunny.

A: pun

310 Q: Pandemics - Bubonic plague pandemics caused the greatest number of deaths on what three continents?

A: Asia, Africa, Europe

311 Q: Banners - The flag of the Soviet Union depicted what two tools?

A: hammer, sickle

312 Q: Pronouns - Supply the missing reflexive pronoun in this line.  
Sarah was determined to consume the entire  
mule ----.

A: herself

313 Q: Parallelograms - Name the parallelogram in which the diagonals are congruent and perpendicular to each other.

A: square

314 Q: Idioms - What part of the idiom did the speaker leave out of this?  
Sometimes you just have to  
take the bull and run with it.

A: by the horns

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 315 Q: Refugees - The phrase "boat people" came into common use in the 1970s with the mass exodus of refugees from what Southeast Asian nation?
- A: Vietnam (South Vietnam)
- 316 Q: The Atmosphere - Should large and widespread gaps in the ozone layer form, the ability of the atmosphere to absorb or reflect what kind of harmful rays would be severely diminished?
- A: UV (ultraviolet)
- 317 Q: Paleontological Fantasy - These lines are from what novel?  
-Life will find a way.  
-You know, at times like this, one feels, well,  
perhaps extinct animals should be left extinct.
- A: Jurassic Park
- 318 Q: Number Problems - Determine the sum of the digits of all 2-digit numbers, given that all digits appear 19 times.
- A: 855
- 319 Q: Square Root - What is the smallest integer greater than the square root of 59?
- A: 8
- 320 Q: Mexican Leaders - Who dominated Mexican politics for more than twenty-five years, commanded the Mexican forces during the Spanish-American War, and led the assault on the Alamo?
- A: Santa Anna
- 321 Q: Habitats - In environmental study of habitat, various amounts of what are indicated by the terms xeric, mesic, and hydric?
- A: water
- 322 Q: Confluences - The confluence of the Allegheny and Monongahela rivers in Pittsburgh forms what river?
- A: Ohio River
- 323 Q: Scientific Devices - Hundreds of what kind of detecting devices are employed in the USGS system called "ShakeAlert" along the American west coast?
- A: seismometers
- 324 Q: Angles - What term indicates the common endpoint formed by the two lines of an angle?
- A: vertex
- 325 Q: Tall Grass - There are more than 9,000 species of grass. While many only grow a few inches high, what kind may reach 100 feet or more?
- A: bamboo

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

326 Q: Forensics - An autopsy shows that a victim's heart and respiration had stopped. The body was badly burned. These findings are consistent with death due to the passage of electric current through the body. Name this form of death.

A: electrocution

327 Q: Rotation - A shaft rotating at 1200 rpm is rotating at how many degrees per hour?

A: 25,920,000

328 Q: The Shrinking World - In 1869, the travel time between New York and San Francisco was reduced from a minimum of three months to just eight days with the completion of what?

A: transcontinental railroad

329 Q: Repeating Decimals - How many different numbers are in the decimal form of the fraction  $\frac{2}{7}$ ?

A: 6

330 Q: U.S.S.R. History - What region in the Asian part of the Soviet Union was a place of exile for Soviet political prisoners?

A: Siberia

331 Q: Tangents - How many tangents can be drawn from a point to a regular polygon with 180 sides?

A: 2

332 Q: Geometric Lines - A line drawn through a figure that divides a figure into two mirror-image halves is called a line of what?

A: symmetry

333 Q: Squares and Cubes - What is the smallest squared number that is also the cube of another number?

A: 64

334 Q: Lots of Vowels - What word indicating an eagle's nest contains four vowels and just one consonant?

A: aerie

335 Q: Craftsmen - What is the term for skilled craftsmen who make such items as clothing, jewelry, furniture, household items, and tools?

A: artisan

336 Q: Sentence Transformations - Restate the following sentence replacing the prepositional phrase with an indirect object.

Marybelle wrote an ode to me.

A: Marybelle wrote me an ode.

337 Q: Acids - What organic acid gives limes their tart taste?

A: citric acid

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

338 Q: Tides - What adjective indicates the region between the low and high water tide marks?

A: intertidal

339 Q: Invasions of Gaul - What fifth-century king of the Huns invaded the Balkans twice and marched through Gaul as far as Orleans?

A: Attila

340 Q: Foiled Invasions - In 1775, American armies under Richard Montgomery and Benedict Arnold united in an unsuccessful attack on what walled Canadian city?

A: Quebec

341 Q: Dam Construction - What structure on a dam carries excess water from the lake side to the downstream side?

A: spillway

342 Q: Law Enforcement - The detention of a suspect by a civilian is called what kind of an arrest?

A: citizen's arrest

343 Q: Number Divisions - If you divide fifty into two parts so that the larger number is nine times the smaller one, what is the larger number?

A: 45

344 Q: Armies - What country maintains the world's largest standing army?

A: China

345 Q: Heteronyms - What term has all these meanings?

- a decidedly one-sided sporting event
- a large social function
- a sudden release of gas and oil from a well
- a puncturing of a pneumatic tire

A: blowout

346 Q: Continents - What continent is practically bisected by the Tropic of Capricorn?

A: Australia

347 Q: Mixtures - What machine consisting of a compartment spun about a central axis is commonly used to separate red blood cells from plasma?

A: centrifuge

348 Q: County Government - The county seats in Louisiana are called what kind of seats?

A: parish seats

349 Q: Drums - In a drum set, what kind of drum is played with a foot pedal?

A: bass drum



## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

350 Q: European History - Name the period in European history that ended up dividing the Christian church into Catholics and Protestants.

A: Reformation

351 Q: Letter Combinations - In how many ways can the letters in any three-letter word be arranged?

A: 6

352 Q: Medications - What is the name for medications that open constricted bronchial tubes?

A: bronchodilators

353 Q: Plurals - What are the two acceptable plural forms of "radius"?

A: radii, radiuses

354 Q: Camps - Fort Mandan and Fort Clatsop were winter campsites for a group of explorers headed by what two men?

A: Lewis and Clark

355 Q: Lines - What can be said about two lines if all the pairs of vertical angles created at their intersection are supplementary?

A: They are perpendicular.

356 Q: Zoology - Endothermic creatures are capable of maintaining a constant body what?

A: temperature

357 Q: Governmental Powers - People in what two offices have the power of clemency, the power to reduce a convicted criminal's sentence?

A: president, governor

358 Q: Parks - If you alphabetically arrange the five national parks in Utah, which is last?

A: Zion

359 Q: Waves - For every electromagnetic wave, the product of the wavelength and frequency equals a constant known as the speed of what?

A: light

360 Q: Blended Words - What word is a blend of telephone and marathon?

A: telethon

361 Q: Ancient Architecture - With what ancient civilization are these buildings associated?  
the beehive tombs of Mycenae  
the Temple of Hera  
the Parthenon

A: Greece

362 Q: Jefferson Davis - Before becoming president of the Confederacy, Jefferson Davis had served as the U.S. secretary of war and had fought as a colonel in what conflict?

A: Mexican-American War

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

363 Q: Executive Decisions - Under whose presidency did the U.S. intervene in a Lebanese civil war, bomb Libya, and sponsor the Nicaraguan Contras?

A: Ronald Reagan

364 Q: Medical History - The first artificial heart, a spirally coiled glass tube and pump, was developed in 1935 by Dr. Alexis Carrel and what man known primarily for his historic solo flight across the second-largest ocean?

A: Charles Lindbergh

365 Q: Squared Numbers - 100 is the sum of the cubes of what four consecutive numbers?

A: 1, 2, 3, 4

366 Q: Isobars - On weather maps, at the end of each isobar is a number that indicates what?

A: atmospheric (air) pressure

367 Q: Forts - These are in what state?  
Fort Defiance, Fort Huachuca, Fort Verde,  
Fort Yuma, Fort Apache

A: Arizona

368 Q: Medical Testing - What values indicate normal vision on a Snellen test?

A: 20/20

369 Q: Sensational Bones - The stapes is a bone involved in what sensation?

A: hearing (audition)

370 Q: Governments - In what kind of governmental system do votes of no confidence occur?

A: parliamentary system

371 Q: Palace Places - In what country would you find the Palace of the Count of Flanders and the Royal Palace of Antwerp?

A: Belgium

372 Q: Presidents - Who was the only person to serve as president of the Confederate States of America?

A: Jefferson Davis

373 Q: Maps - Contour lines on topographic maps usually do not intersect or cross except to indicate what topographic feature?

A: cliff (overhang)

374 Q: Industrial Firsts - In 1859, an enormous industry based on what natural resource began with the work of Edwin Drake in Titusville, Pennsylvania?

A: petroleum (oil)

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 375 Q: Immigrants - An immigrant to America from what European country wrote this in a letter in 1850?  
I am exceedingly well pleased at coming to this land of plenty. What you labor for here is sweetened by contentment and happiness. There is no failure in the potato crop, and you can grow every crop you wish, without manuring the land during life.
- A: Ireland
- 376 Q: Coordinate Geometry - What is the ordinate of a point with the coordinates (3,4)?
- A: 4
- 377 Q: Plane Geometry - What is the name for any closed figure made by joining line segments such that each line segment intersects exactly two others?
- A: polygon
- 378 Q: Political Subdivisions - These are states in what country?  
Saarland, Saxony, Bremen, Thuringia,  
Bavaria, Hesse, Brandenburg, Hamburg
- A: Germany
- 379 Q: Conquests - The city of Cuzco was captured in the sixteenth century by conquistadors led by whom?
- A: Francisco Pizarro
- 380 Q: Scientific Method - In an experiment, name the variable the hypothesis predicts will change with changes in the independent variable.
- A: dependent variable
- 381 Q: Capitals - What capital of the Confederacy was only 110 miles from Washington, D.C.?
- A: Richmond
- 382 Q: Fine Foods - Nearly all caviar today comes from sturgeon in either Iran or what other major country?
- A: Russia
- 383 Q: Prepositions - While the preposition "at" can be used with words like "home" or "school" and the preposition "on" can be used with phrases like "the floor" or "the train," what preposition is usually used with the words "upstairs" and "downtown"?
- A: none
- 384 Q: Machines - To determine the mechanical advantage of a lever, you must know the load, the effort, the length of the effort arm, and what else?
- A: length of the load arm

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

385 Q: Alloys - It is impossible to make an amalgam without what poisonous silvery-white metallic element that is liquid at room temperature?

A: mercury

386 Q: Squaring a Binomial - Square  $3y + 5$ .

A:  $9(y \text{ squared}) + 30y + 25$

387 Q: Planet Orbits - What is the shape of all of planetary orbits?

A: elliptical

388 Q: Big Addition - When you add 1 billion to one googol, the answer has how many zeros in it?

A: 99

389 Q: Governors - Except in the states of Vermont and New Hampshire, what is the term of office for U.S. governors?

A: 4 years

390 Q: Music - While most people can perceive each note in a musical passage relative to some reference pitch, those people who can identify pitches without comparison to another pitch are said to have what?

A: absolute (perfect) pitch

391 Q: Gaps - Geologists have located seismic gaps along fractures in the Earth's crust called what?

A: faults

392 Q: Idioms - What adjective is missing in these idioms?

---- boy network

---- guard

---- hand

as ---- as the hills

A: old

393 Q: Animal Couplets - What word is indicated by this riddle?

There's a word that holds a cat,  
And means social class.

A: caste

394 Q: Other Bases - What is the base 10 equivalent of the base 3 numeral 200?

A: 18

395 Q: Speech Sounds - What two words complete this elocution drill illustrating assonance?  
How now ...

A: brown cow

396 Q: The Solar System - What planet has 95 times Earth's mass and inner moons orbiting at a distance of less than half that between Earth and its moon?

A: Saturn

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 397 Q: Monuments - Located about fifty miles from the South Dakota border, what national monument in Wyoming was established by Theodore Roosevelt in 1906?
- A: Devils Tower
- 398 Q: Revolutions - This is about an 18th-century revolution in what country?  
The moderate Girondins were overthrown by the Jacobins, and control of the country was passed to the Committee of Public Safety and Robespierre.
- A: France
- 399 Q: The Earth's Spheres - While "asthenosphere" means "weak sphere" and "mesosphere" means "middle sphere," what is the term that means "rock sphere"?
- A: lithosphere
- 400 Q: Years - What was the only palindromic year in the 20th century?
- A: 1991
- 401 Q: Precipitation - What form of precipitation is produced when supercooled raindrops freeze on contact with solid objects, producing a thick coating of ice on them?
- A: glaze
- 402 Q: Algebraic Evaluation - Evaluate the following if  $y = 3$ ,  $x = 4$ , and  $z = 2$ .  
 $y(x^2)(z^3)$
- A: 384
- 403 Q: Antecedents - What is the antecedent of "which" in this line?  
To dig worms, which is a challenge, requires stamina and a good shovel.
- A: to dig worms
- 404 Q: Quadratics - What is the positive value of  $q$  in this equation?  
 $4(q^2) - 36 = 0$
- A: 3
- 405 Q: Air Currents - A relatively small-scale column of air that rapidly sinks toward the ground is called what kind of draft?
- A: downdraft
- 406 Q: Polygons - What is the term for a ten-sided polygon?
- A: decagon
- 407 Q: Appointees - A personal representative appointed by the head of a nation to represent that nation in matters of diplomacy has what title?
- A: ambassador

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

408 Q: Star Magnitude - Apparent magnitude is the star's brightness as seen from Earth. The brightness at a standard distance of 10 parsecs is what other kind of magnitude?

A: absolute magnitude

409 Q: Light - Sometimes you have difficulty seeing because of especially bright light such as direct or reflected sunlight or car headlights at night. What is the term for such light?

A: glare

410 Q: Ancient Inventions - Which of Archimedes' inventions was a kind of pump?

A: Archimedes screw

411 Q: Customs - Geishas are traditional in what country?

A: Japan

412 Q: Mythical Lyrics - The name for what mythical creature is missing in these lyrics by Shel Silverstein?

On that hill a ---- stands, half stallion half man,  
And his hoofs are the hoofs of a stallion,  
And his strength, its the strength of a stallion,  
And his pride, the pride of a stallion,  
But his tears are the tears of a man.

A: centaur

413 Q: Political Comments - To whom was Alfred Smith referring when he said this?  
Given four years more, the third-term  
candidate will lead you over the hills  
to the poorhouse.

A: Franklin Roosevelt

414 Q: American Songs - This verse is from what American folksong?

Roses love sunshine, violets love dew  
Angels in heaven know I love you  
Know I love you, dear, know I love you  
Angels in heaven, know I love you.

A: Down in the Valley

415 Q: Algebra - Consider the equation,  $y = 3x + 5$ . If  $x$  is 11, then  $y$  must have what value?

A: 38

416 Q: Circles - In terms of a circle, 360 arc degrees equal one what?

A: circumference

417 Q: Asia - Name either of the two European countries that controlled much of Southeast Asia in the early 1800s.

A: Netherlands, Spain

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 418 Q: Algebraic Subtraction - Subtract  $-2(x^2) + 9x - 7$  from  $12(x^2) - 3x + 1$ .
- A:  $14(x^2) - 12x + 8$
- 419 Q: Root Words - The Latin root “-dic-“ is in what word that means “to say aloud to be written by another“?
- A: dictate
- 420 Q: Shaft Connections - Gears are usually on machines having shafts that are close together. But shafts spaced some distance apart are usually connected with flexible bands called what?
- A: belts
- 421 Q: Mythical Giants - Name a member of a race of mythical one-eyed giants from ancient Greece.
- A: Cyclops
- 422 Q: Energy - Potential energy is due to position while kinetic energy is due to what?
- A: motion
- 423 Q: Word Classes - What is the term for two words that have different meanings, different pronunciations, but the same spelling?
- A: heteronyms
- 424 Q: Astronomical Division - Cassini's division is a major gap in the ring system around what planet?
- A: Saturn
- 425 Q: Seawater - The motions of ocean waters that are easiest to observe are waves and what semidiurnal phenomena?
- A: tides
- 426 Q: Similes - What word is usually used in similes when you compare a noun to a noun?
- A: like
- 427 Q: Archaeology - Because writing was unknown, all records in what Latin American civilization were kept on knotted cords called quipus?
- A: Inca
- 428 Q: Religions - The beliefs that cows must not be killed, the Ganges River is sacred, and that people are reborn in another form after death are central to what religion?
- A: Hinduism
- 429 Q: Stars - What extremely hot stars that are comparable to the size of the Earth are so dense that a cupful of matter from them would weigh many tons?
- A: white dwarfs
- 430 Q: Simplification - Simplify  $23 + 5x + 7y - x - y - 27$ .
- A:  $-4 + 4x + 6y$

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

431 Q: Floods - The costliest flood in U.S. history occurred in 1993 when massive flooding along two major rivers caused more than \$30 billion in damage. Name either of these rivers.

A: Missouri, Mississippi

432 Q: Hit The Charts More than Once - Elton's John's hit "Candle in the Wind" first hit the charts in 1973 and was a tribute to Marilyn Monroe. When he re-released in in 1997, it became the second highest selling single in history. This second release was a tribute to which woman whose statue was unveiled at Kensington Palace on what would have been her 60th birthday in July of 2021?

A: Princess Diana

433 Q: Europe - Part of Belgium borders what sea?

A: North Sea

434 Q: Sea Life - How many shells do bivalves have?

A: 2

435 Q: International Relations - Sino-Soviet relations were between the Soviet Union and what other country?

A: China

436 Q: Navigation - A navigator reporting his ship's position at 30 degrees S and 75 degrees E is in what ocean?

A: Indian Ocean

437 Q: Chemistry Puns - The name of what element completes this joke?

Last week a hypnotist convinced me that I'm a soft, malleable metal with an atomic number of 82. I'm easily ...

A: lead

438 Q: Punned Titles - This is a punned version of the title of a novel written by what American author?

That Was Zen, This Is Tao

A: S.E. Hinton

439 Q: Electricity - Electrons are free to move from one atom to another in conductors but not in what other kind of substances?

A: insulators

440 Q: Landforms - These are examples of what landform?

Sinai  
Seward  
Malay  
Scandinavian

A: peninsula



## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

441 Q: European Folklore - In English folklore, what are said to result from fairies or pixies dancing in a circle, wearing down the grass beneath their feet?

A: fairy rings

442 Q: Crater Namesakes - What lunar crater was named after the British explorer who first circumnavigated New Zealand and discovered the Sandwich Islands?

A: Cook

443 Q: Nickname Puns - The name of what state is missing in this pun?  
Fashionable women in ---- all wear  
designer Hoosiery.

A: Indiana

444 Q: Resettlement Analogies - Leaving a region is to emigration as entering a region is to what?

A: immigration

445 Q: Territories - What British Overseas Territory lies at the southern end of the Iberian Peninsula?

A: Gibraltar

446 Q: Ancient Egypt - When the Roman general Julius Caesar arrived in Egypt, he restored what woman to the throne from which she had been ousted?

A: Cleopatra

447 Q: Verbs - What are the principal parts of the verb "lie"?

A: lie, lay, lain

448 Q: Inverse Variation - A 36 tooth gear drives another gear with 48 teeth. How many revolutions does the second gear make if the first gear makes 100 revolutions?

A: 75

449 Q: Age Problems - Russ is 7 years younger than Rory. Their ages add up to 19. How old is Rory?

A: 13

450 Q: Algebraic Sequences - What is the next term in the sequence that begins with this?  
 $y + 1, 2y + 4, 3y + 9, \dots$

A:  $4y + 16$

451 Q: Least Common Multiples - What is the LCM of 24, 40, and 42?

A: 840

452 Q: Florida Cities - What city in Florida has a name that is literally translated as "mouth of the mouse"?

A: Boca Raton

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

453 Q: Mileage - To the nearest integer, how many gallons of gas do you need to go 400 miles if your car burns 8 gallons in 150 miles?

A: 21

454 Q: Temperature Conversions - A room temperature of 70 degrees Fahrenheit is equal to how many degrees Celsius?

A: 21

455 Q: Air Masses - Maritime air masses form over what?

A: water (oceans)

456 Q: The Skeletal System - What is the largest bone that articulates with the patella?

A: femur

457 Q: Vocal Music Metaphors - A person who cannot sing is said to be unable to carry a tune in what kind of basket?

A: bushel

458 Q: European Officials - What position does Angela Merkel hold in the German government?

A: chancellor

459 Q: Participles - What are the two participles in this example?

For a single woman, preparing for company  
means wiping the lipstick off the milk carton.

A: preparing, wiping

460 Q: Military Vessels - Name the relatively small to medium sized, highly maneuverable warships of World War II designed to attack enemy submarines.

A: destroyers

461 Q: South America - What country borders Peru, Bolivia, Argentina, the Drake Passage, and the Pacific Ocean?

A: Chile

462 Q: Straits - What country is on both sides of the Cook Strait?

A: New Zealand

463 Q: Scientific Notation - Express the number 350 in scientific notation.

A: 3.5 times 10 to the 2nd

464 Q: Numbers - What kind of number indicates quantity in contrast to order?

A: cardinal number

465 Q: Algebra - What is  $AB + AC - BC$  if  $A = 2$ ,  $B = 3$ , and  $C = 4$ ?

A: 2

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

466 Q: Rock - Columnar jointing is associated with which of the three broad categories of rock?

A: igneous

467 Q: Longitude - You are watching the Sun and at the moment it reaches local apparent noon, you call Greenwich and find the time there to be 5 p.m. What is your longitude?

A: 75 degrees west

468 Q: Rodents of Unusual Size - What South American rodent grows to 1.4 meters in length and weighs up to 66 kilograms?

A: capybara

469 Q: Separating Substances - What is the name for combinations of materials that can be separated using evaporation, sifting, or magnetism?

A: mixtures

470 Q: Shared Surnames - What surname was shared by a Scottish economist, the founder of Jamestown, an American fur trader, and the founder of the Mormon religion?

A: Smith

471 Q: Figurative Language - What figure of speech is used in this description?

Davy's wife, Sally Ann Thunder Ann Whirlwind  
Crockett, could laugh the bark off a pine tree,  
blow out the moonlight and sing a wolf to sleep.

A: hyperbole (exaggeration)

472 Q: Respiratory Anatomy - Name the two main airways into your lungs.

A: bronchi

473 Q: Clauses - What two parts of speech are modified by adjective clauses?

A: nouns, pronouns

474 Q: Other Bases - How many symbols are required to write numerals in base-19 arithmetic?

A: 19

475 Q: Seaside Countries - Much larger than Greece, what is the largest country that is adjacent to the Aegean Sea?

A: Turkey

476 Q: Kingly Ditties - What is the last word in this ditty about England's Charles II?

We have a pretty witty king  
Whose word no man relies on.  
He never said a foolish thing,  
And never did a wise ...

A: one

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

477 Q: Colors - These pairs represent what kind of colors?

red-green  
blue-orange  
yellow-violet

A: complementary colors

478 Q: Specific Gravity - A specific gravity of less than what value generally means that a substance will float on water?

A: one

479 Q: Legal Rights - What is the term for the exclusive right granted by a country to someone to prohibit others from making, using, selling, or distributing an invention without permission?

A: patent

480 Q: Mineral Transportation - Dissolved mineral salts that are relatively abundant in soil move into plant roots where they are less concentrated through what process?

A: diffusion

481 Q: Founders - Who was the U.S. secretary of state during most of Alexander Hamilton's time as secretary of the treasury?

A: Thomas Jefferson

482 Q: Progressions - What is the next term in this harmonic progression?

1,  $\frac{1}{3}$ ,  $\frac{1}{5}$ ,  $\frac{1}{7}$ , ...

A:  $\frac{1}{9}$

483 Q: Invasions - In the 13th century, the Mongols under whose leadership captured Beijing?

A: Genghis Khan

484 Q: Money Algebra - If the total value of  $x$  dimes and  $2x$  nickels is \$4.80, how many nickels do you have?

A: 48

485 Q: Civil War Vocabulary - What term meaning "to withdraw formally from membership in an organization" completes this quote by Robert E. Lee prior to the Civil War?

I am one of those dull creatures  
that cannot see the good of ...

A: secession (seceding)

486 Q: Angles - Add the complement of a 75 degree angle to the supplement of a 140 degree angle.

A: 55 degrees

487 Q: Pacts - In keeping with the terms of the Tripartite Pact, what two countries declared war on the United States shortly after the United States declared war on Japan?

A: Germany, Italy

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 488 Q: Consecutive Integers - When the smaller of two even consecutive integers is added to 3 times the larger, the result is 230. What is the larger integer?
- A: 58
- 489 Q: Underground Railroad - On the Underground Railroad, the routes from safe-house to safe-house were called lines and were roughly 15 miles long, the stopping places were called stations, those who aided fugitive slaves were called conductors, and the slaves themselves were known as what?
- A: packages (freight)
- 490 Q: Propellers - Name the angle at which a propeller blade bites into the air.
- A: pitch (angle of attack)
- 491 Q: Inequalities - If  $5 + x$  is less than 30, then  $x$  is less than what?
- A: 25
- 492 Q: Tangents - How many common external tangents do two concentric circles have?
- A: none
- 493 Q: Injuries - Reminiscent of a North American ringed-tailed mammal, name the condition of having two black eyes.
- A: raccoon eyes
- 494 Q: Expressions - These lines include what kind of expressions?  
It's time to hit the hay.  
I have half a mind to just quit.  
Her name rings a bell.
- A: idioms
- 495 Q: Volcanoes - Name the type of crater formed when a volcano erupts so much lava that it collapses on itself.
- A: caldera
- 496 Q: Inflammation - What part of the body becomes inflamed in patellar tendinitis?
- A: knee (patellar tendon)
- 497 Q: Ancient Towns - The ancient Romans built the town, Londinium, on the banks of what English river?
- A: Thames
- 498 Q: Liquids - Name the process of dissolving carbon dioxide in a liquid.
- A: carbonation
- 499 Q: The U.S. Capital - Immediately before it moved permanently to Washington, D.C., the U.S. capital was located in what city?
- A: Philadelphia

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

500 Q: Modular Arithmetic - Express the product of 3 times 5 in mod 8.

A: 7

501 Q: Loot Division - The winnings from a small lottery are to be divided in the ratio of 5 to 2 to 1. The total amount was \$8800. What is the biggest share?

A: \$5500

502 Q: Muscle - What kind of muscle tissue is involuntary and unstriated?

A: smooth muscle tissue

503 Q: Solutions - Brine is a concentrated solution of water and what other compound?

A: sodium chloride (salt)

504 Q: Long Times - How many years are in three gigayears?

A: 3 billion

505 Q: Acrostics - What word is formed by this acrostic?

Peter rice eats fish and catches eels.

A: preface

506 Q: Geometric Progressions - What is the next term in this progression?

144, 12, 1, 1/12, ...

A: 1/144

507 Q: Psychology - Psychologically speaking, these are all examples of what?

compassion, despair, worry, surprise, pity,  
loathing, remorse, euphoria, affection

A: emotions

508 Q: Glands - The pituitary gland is at the base of what organ?

A: brain

509 Q: Murder Synonyms - What specific kind of murder is central in all these books?

The Awful End of Prince William the Silent  
Oswald's Tale: An American Mystery  
The Lincoln Conspiracy  
The Day Kennedy Was Shot

A: assassination

510 Q: Presidents - What U.S. president forced Native Americans to give up about 20 million acres of land including half of present-day Alabama and one fifth of Georgia?

A: Andrew Jackson

511 Q: Circles - What is the circumference of a circle which has a diameter of one meter?

A: 3.1416 meters or pi meters

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

512 Q: Imperialism - All of these were European colonies in what country?  
Pulicat, Sadras, Pondicherry, Madras,  
Bassein, Cochin, Goa

A: India

513 Q: Colonial Religions - While the settlers of the Plymouth Colony were dissenters and Puritans, the Jamestown settlers were mostly members of what church?

A: Church of England (Anglican Church)

514 Q: Disease - Deficiency diseases result from a lack of essential what?

A: nutrients

515 Q: World Powers - What country was the world's foremost maritime and colonial power around 1720?

A: England

516 Q: Tree Classifications - What kind of "sperms" are spruce and fir trees?

A: gymnosperms

517 Q: Advertising - The usually half-hour TV ads hosted by a hyper "sellevangelists" selling a relatively new product or service are called what?

A: Infomercials

518 Q: Military History - In what nation did major battles at Hue and Khe Sanh occur?  
Hue  
Khe Sanh

A: South Vietnam

519 Q: Pronouns - In what case is the pronoun, I?

A: nominative

520 Q: Interjections - "Derange" and "grenade" are two anagrams for what interjection associated with fencing?

A: en garde

521 Q: Wartime Poetry - This verse is from a poem about what war?  
Gas! Gas! Quick boys - An ecstasy of fumbling  
Fitting the clumsy helmets just in time;  
But someone still was yelling out and stumbling  
And flound'ring like a man in fire or lime.

A: World War I

522 Q: Muscle - A muscle's fibers are usually partly contracted even when the muscle seems to be at rest. This is known as muscle what?

A: tone

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 523 Q: Traffic Law - Most traffic violations are classified as which of the two major categories of crime?  
A: misdemeanor
- 524 Q: Hazardous Materials - Romans became aware of the adverse health effects of what soft, malleable metal used to make the pipes of their water distribution systems?  
A: lead
- 525 Q: Estuaries - Name the landform created by accumulations of rocks, boulders, stones, and gravel that cause the mouths of some fiords to be shallowest at their mouths.  
A: moraines
- 526 Q: Grammar - What part of speech follows "talk" in this line?  
Don't talk unless you can improve the silence.  
A: conjunction
- 527 Q: Scary Stories - Cooger and Dark's Pandemonium Shadow Show is central to what story by Ray Bradbury?  
A: Something Wicked This Way Comes
- 528 Q: Fuels - What gas is one of the two main elements in all fossil fuels?  
A: hydrogen
- 529 Q: Government - Collectivism is the opposite of what?  
A: individualism
- 530 Q: Notable Places - These are all in what state?  
Old Lyme, Stratford, Mystic, New Haven  
A: Connecticut
- 531 Q: Squares - The perimeter of a square is 36 and its area is represented by the expression  $5x + 46$ . What is  $x$ ?  
A: 7
- 532 Q: U.S. Banking - The Bank of the United States was part of the controversial economic program proposed by what secretary of the treasury and founder of the Federalist party?  
A: Alexander Hamilton's
- 533 Q: Seaside Nations - The country formerly known as British Honduras is adjacent to what sea?  
A: Caribbean Sea
- 534 Q: Algebraic Operations - What is the product of  $-3x$  times  $2(x^2)$ ?  
A:  $-6x^3$
- 535 Q: Plurals - What letters should be added to form the plural of most nouns ending in  $x$ ,  $z$ ,  $ch$ , or  $sh$ ?  
A:  $-es$



## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 536 Q: Circumference - If a circle has a radius of 3, its circumference equals pi multiplied by what number?
- A: 6
- 537 Q: Alloys - The existence of what two metals was absolutely necessary for there to have been a Bronze Age?
- A: copper, tin
- 538 Q: Animal Farm - The words "without cause" were added to which of the seven commandments in "Animal Farm"?
- A: No animal shall kill any other animal. (6th)
- 539 Q: Country Nicknames - Well-known for both banking and cheese, what mountainous central European country has been called "The Land of Milk and Money"?
- A: Switzerland
- 540 Q: The Caribbean - What island nation is between Panama and Cuba?
- A: Jamaica
- 541 Q: Geology - What is the name for a steep-walled niche in a mountainside that is shaped like half a bowl and formed mainly by frost and glacial action?
- A: cirque
- 542 Q: Musical Mood Markings - While "morendo" means dying and "vivace" means lively, what is the meaning of "dolce"?
- A: sweetly
- 543 Q: Presidents - What 19th-century U.S. president announced the doctrine that any further efforts by European countries to take control of any state in the Americas would be considered as "the manifestation of unfriendly disposition toward the United States"?
- A: James Monroe
- 544 Q: Mathematical Sets - How many lines are in the set of straight lines that can be drawn through a given point?
- A: infinite
- 545 Q: South American History - Immigrants primarily from what nation founded Sao Paulo and Rio de Janeiro?
- A: Portugal
- 546 Q: Averages - Roscoe dug 23, 17, 20, and 19 geoducks in four consecutive days. How many did he dig the next day to average 20 per day?
- A: 21

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 547 Q: Parts of Speech - The word used in both of these sentences is what part of speech?  
It was a poem concerning the Great Auk.  
I'm calling concerning your son's grades.
- A: preposition
- 548 Q: British Victories - In 1777, British troops under General Burgoyne captured Fort Ticonderoga at the south end of what major New York lake?
- A: Lake Champlain
- 549 Q: Capitals - What capital city is at the confluence of the Ottawa and St. Lawrence rivers in Quebec?
- A: Montreal
- 550 Q: Modern Dynasties - The House of Saud is a dynasty in what Mideast country?
- A: Saudi Arabia
- 551 Q: Algebraic Division - Divide  $y^3 + y + 10$  by  $y + 2$ .
- A:  $y^2 - 2y + 5$
- 552 Q: Mechanical Statistics - What can be calculated by simply dividing the number of teeth on one gear by the number of teeth on the other?
- A: gear ratio
- 553 Q: Religious Opposition - What was the name of the group of English Protestants who opposed practices of the Church of England such as the use of priestly gowns, kneeling during sacraments, and almost anything reminiscent of the Roman Catholic Church?
- A: Puritans
- 554 Q: Progressions - In the geometric progression 4, 8, 16, 32, the common ratio is 2. When the terms of this progression are reversed, what does the common ratio become?
- A:  $1/2$  (or .5)
- 555 Q: Korea - Until the end of World War II, the Korean Peninsula was ruled by what empire?
- A: Japanese Empire
- 556 Q: Regional Plants - The papyrus plant is native almost exclusively to the delta of what river?
- A: Nile
- 557 Q: Light - While reflection occurs when light bounces off the surface of an object, what optical phenomenon occurs when light enters an object and bends?
- A: refraction
- 558 Q: Valuable Materials - Palladium, ruthenium, silver, platinum, osmium, iridium, and gold are regarded as precious what?
- A: metals

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

559 Q: Legal Defenses - Legal defenses are divided into four categories including justifications, excuses, procedural defenses, and what other category whereby a defendant tries to prove he or she was elsewhere when the crime was committed?

A: alibis

560 Q: Circles - Where is the vertex of a central angle in a circle?

A: center

561 Q: Literary Forms - This illustrates what form of literature?

Here lies Robert Wallis,  
Clerk of All Hallows,  
King of good fellows,  
And maker of bellows.

He bellows did make till the day of his death,  
But he that made bellows  
could never make breath.

A: epitaph

562 Q: Ecological Etymology - What term for a type of mammalian consumer is derived from two Latin words meaning "plant" and "devour"?

A: herbivore

563 Q: Consumption - Which U.S. state is the largest consumer, per capita, of energy?

A: Alaska

564 Q: Medical Specialties - What kind of dentist is especially trained to deal with malocclusions?

A: orthodontist

565 Q: Geological Oratorios - Julia Wolfe's oratorio, "Anthracite Fields" commemorates the mining of what material in Pennsylvania?

A: coal

566 Q: Logical Propositions - Restate this universal affirmative proposition as a universal negative proposition.  
All S is P.

A: No S is P.

567 Q: Plato - In what form of literature are works written as though they represent conversations between two or more people?

A: dialogue

568 Q: Literary Creatures - What name completes this passage from a novel?

There she blows! There she blows!  
A hump like a snow-hill! It is ...

A: Moby Dick

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

569 Q: Rectangle Areas - The perimeter of a rectangle is 280 meters. Find its area if the ratio of its length to its width is 5 to 2.

A: 4000 square meters

570 Q: Solutions - Generally, the amount of a solute that will dissolve in a solvent increases with an increase in what?

A: temperature

571 Q: Fatigue - Lactic acid forms in muscles when there is an inadequate supply of what in the blood?

A: oxygen

572 Q: Sort of French Rhymes - This is a semi-French version of what rhyme?

Chacun Gille  
Houer ne taupe de hile  
Tot-fait, j'appelle au boiteur.  
Chaque fele dans un broc, est-ce crosne,  
Un Gille qu'aime tant berline a fetard.

A: Jack and Jill

573 Q: Criminal Law - Name the judgment of a court that a defendant is guilty of a crime.

A: conviction

574 Q: Invasions - In 1990, Iraq invaded what smaller, oil-rich neighbor?

A: Kuwait

575 Q: Rebellions - The Boxer Rebellion in the late 1890s opposed European cultural and commercial influence in what country?

A: China

576 Q: Percent - To the nearest tenth, 300 percent of what number is 35?

A: 11.7

577 Q: Triangle Talk - Name the point common to two sides of a triangle.

A: vertex

578 Q: Astronomical Middles - Name the central part of a star, planet, or galaxy.

A: core

579 Q: Archaeology - These are archaeological sites in what country?

Siracusa, Campania, Turin, Herculaneum

A: Italy

580 Q: Early Empires - The world's first empire arose around 2300 B.C. when Sargon united all of the civilizations in what region between the Tigris and Euphrates rivers?

A: Mesopotamia (Fertile Crescent)

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

581 Q: Arranging - What term indicates the arrangement of a piece of music for an orchestra?

A: orchestration

582 Q: Volume Problems - Consider a container that is 20 inches long, 40 inches high, and 30 inches wide. To increase the height of the container by 30 percent yet maintain the same volume, what should the new width be, to the nearest inch?

A: 23 inches

583 Q: Legislation Instigation - If some people in Nevada wanted to introduce legislation to prohibit the sale of slingshots on Tuesdays, they could get a certain number of citizen's signatures on petitions to ensure this proposal would be submitted to the electorate. Name this procedure.

A: initiative

584 Q: Memorials - Ho Chi Minh's preserved body is displayed in a glass coffin in Hanoi's Ba Dinh Square in what country?

A: Vietnam

585 Q: Musical Competitions - What musical instrument is featured in annual competitions named for these musicians?

Arthur Rubinstein  
Ferruccio Busoni  
Van Cliburn  
Franz Liszt  
Frederic Chopin

A: piano

586 Q: Glaciers - When warm air melts ice in the snout of a glacier faster than the glacier flows, the snout is said to do what?

A: retreat

587 Q: Dancers - A group of theatrical dancers who perform in unison make up what kind of line?

A: chorus line

588 Q: Solutions - When all of the liquid in a solution has evaporated, a solid is left behind. The particles of the solid normally arrange themselves in a regular structure called a what?

A: crystal

589 Q: Phrases - What is the complete infinitive phrase in this example?  
Natasha did not want to argue with Boris.

A: to argue with Boris

590 Q: Emigrations - A 1958 revolution prompted hundreds of thousands of residents of what Caribbean island to relocate to the United States?

A: Cuba

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

591 Q: New World Explorations - In the 1673, the governor of New France financially backed the exploration of unsettled territory between the Great Lakes and the lower Mississippi region. The leaders of that expedition were the French fur trader, Louis Jolliet, and the Jesuit priest, Jacques who?

A: Marquette

592 Q: Algebraic Operations -  $(-2a) - (+5a) =$

A:  $-7a$

593 Q: Shapes - With respect to their structure, snowflakes, grains of salt, grains of sugar, garnets, and diamonds are all what?

A: crystals (crystalline)

594 Q: Blended Words - What word is a blend of "electricity" and "execute"?

A: electrocute

595 Q: Money Problems - A \$300 can crusher loses 10% of its value each year. What will its value be after three years?

A: \$218.70

596 Q: Participles - What are the two acceptable past participles of the verb "burn"?

A: burned, burnt

597 Q: Algebraic Multiplication - Multiply  $-6x$  by  $-x$  squared.

A:  $6(x \text{ cubed})$

598 Q: Factorials - What is 1 factorial?

A: 1

599 Q: Chemical Compounds - How many atoms are in one molecule of dinitrogen pentoxide?

A: 7

600 Q: Biblical Tales - In "Exodus," we learn the pharaoh directed that every son born to the Hebrews be thrown into the Nile. Which son who was put in a basket made of bulrushes did he miss?

A: Moses

601 Q: Catastrophes - Only two nuclear power plant accidents have been classified as level 7 events, which is the maximum classification. One was the Fukushima disaster. Name the other that occurred in the former Soviet Union.

A: Chernobyl

602 Q: Mideast Geography - Yemen and Oman are on the southern end of what enormous peninsula?

A: Arabian Peninsula

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 603 Q: Atmospheric Layers - Name the electrically charged particles abundant in the ionosphere.
- A: ions
- 604 Q: Dog Age Problems - Rover is 10 years older than Old Blue. Next year, Rover will be twice as old as Old Blue. What are their ages now?
- A: Rover 19, Old Blue 9
- 605 Q: Engravings - One of Paul Revere's most famous engravings is "The Bloody Massacre on King Street" depicting an event in what city?
- A: Boston
- 606 Q: Square Root - What is the square root of the quantity 49 divided by  $(x \text{ to the } 4\text{th})$ ?
- A:  $7 / (x \text{ squared})$
- 607 Q: Inverse Proportions - If four journeymen painters can paint a wall in three hours, how long would it take six equally skilled painters to complete the job?
- A: two hours
- 608 Q: Twins - What category of twins develops from a single fertilized egg?
- A: identical twins
- 609 Q: Homophones - What term can either mean a corporation made up of several different companies in diversified fields or a rock consisting of pebbles and gravel that are cemented together?
- A: conglomerate
- 610 Q: Unfair Requirements - For a while in Mississippi, people had to answer a 22-question test to register to vote. This test was implemented primarily to keep what group of Americans away from the polls?
- A: black Americans
- 611 Q: Empires - By 1566, the Ottoman Empire stretched onto what three continents?
- A: Africa, Europe, Asia
- 612 Q: Algebra Vocabulary - In algebra, what is a synonym for the "root" of an equation?
- A: solution (result)
- 613 Q: Scandinavian Peoples - The Sami are the indigenous, nomadic, herding people of northern Norway, Sweden, Finland, and the Kola Peninsula. What is another name for them?
- A: Lapps (Laplanders)
- 614 Q: Punctuation - Between what two words should a comma be inserted to turn this sentence fragment into a full sentence?  
Although beautiful and famous cathedrals no longer interest homesick children traveling abroad with parents.
- A: famous cathedrals

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

615 Q: Travel Problems - Two clunker vehicles are on the Extraterrestrial Highway headed for the Little A'Le'Inn in Rachel, Nevada. One is 40 miles ahead, but that one is going 20 mph while the one behind is going 30 mph. How many hours will it take the faster vehicle to catch the slower one?

A: 4 hours

616 Q: Exponent Simplification - Simplify  $(x^2)(y^2)(x^5)(y^3)$ .

A:  $(x^7)(y^5)$

617 Q: Eruptions - All but three of the world's 25 largest volcanic eruptions in the last 11,700 years have occurred along the circum-Pacific belt, otherwise known as what ring?

A: Ring of Fire

618 Q: Palindromic Years - What two palindromic years occurred within several years of the turn of the 21st century?

A: 1991, 2002

619 Q: American Foreign Policy - The policy of containment was first formulated during the Truman administration. Its purpose was to prevent the spread of what ideology?

A: communism

620 Q: Probability - Since the probability of getting 2 tails and 1 head with one toss of 3 coins is  $\frac{3}{8}$ , if you toss 3 coins 400 times, you would expect 2 tails and 1 head to come up how many times?

A: 150

621 Q: Prisms - The volume of a rectangular prism is 540 cubic meters. The length is 6 meters and the height is 18 meters. What is the width?

A: 5 meters

622 Q: Drama - What is the term for an uninterrupted speech by a character in a dramatic presentation?

A: monologue (soliloquy)

623 Q: Australia - The lowest point in Australia is the enormous dry bed of what lake?

A: Lake Eyre

624 Q: Absolute Value - If  $y = -1$ , what is the absolute value of  $y-5$ ?

A: 6

625 Q: Ancient Lands - The ancient region of Canaan was located more or less between the Mediterranean Sea and what Mideast river?

A: Jordan River

626 Q: Orchestras - In a symphony orchestra, what is the title of the first violinist and assistant conductor?

A: concertmaster



## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

627 Q: Journeys - What term for a long and adventurous journey is derived from the name of a Homeric character who traveled far and wide in making his way home from the Trojan War?

A: odyssey

628 Q: Trapezoids - What kind of trapezoid has base angles that are congruent?

A: isosceles trapezoid

629 Q: National Parks - Three of the five entrances to Yellowstone National Park are through what state?

A: Montana

630 Q: Reducing Fractions - Reduce  $\frac{39pq}{52pq}$  to lowest terms.

A:  $\frac{3}{4}$

631 Q: Depths - The Grand Canyon is about 1.6 kilometers deep. What feature at least 11 kilometers deep is in the western Pacific near the Mariana Islands?

A: Marianas Trench

632 Q: Dislocations - What kind of dislocation occurs when the humerus separates from the scapula at the glenohumeral joint?

A: shoulder separation (or dislocation)

633 Q: Mammals - Placental mammals are so named because their unborn young are nourished by what special structure?

A: placenta

634 Q: Parts of Speech - As what part of speech is the participle used in this example?  
Apologizing is the one thing that Gene does  
extraordinarily well and often.

A: noun

635 Q: Financial Propensities - Someone who is thrifty with small expenditures yet careless with large ones is said to be penny-wise and what?

A: pound foolish

636 Q: RPM - A shaft turning at 3,000 revolutions per minute goes through how many revolutions per second?

A: 50

637 Q: Discouraging Words - In the 19th century, the vast plains region of North America, east of the Rockies, was known as the Great American what?

A: Desert

638 Q: Angles - Two angles whose degree measures add up to 180 are what kind of angles?

A: supplementary

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

639 Q: Understatement - Restate this sentence by eliminating the understatement.  
She is certainly not a nonbeliever.

A: She is a believer.

640 Q: Orbits - The orbit of an object about a planet with significant atmosphere will decay because of what retarding force?

A: drag

641 Q: Water Tanks - Medieval castles had tanks for holding rainwater. Name these receptacles.

A: cisterns

642 Q: Ants - As with bees, fertile female ants are called queens and fertile male ants are called what?

A: drones

643 Q: North American Emperors - In 1864, Austria's Archduke Maximilian accepted the throne of what Latin American country?

A: Mexico

644 Q: Glaciation - What is the name for the wedge-shaped and nearly vertical fractures in the surface of glaciers?

A: crevasses

645 Q: Square Root - What is the product of the square root of  $x$  multiplied by the square root of  $x$ ?

A:  $x$

646 Q: High Places - The highest point in the state of Washington is atop what mountain?

A: Mt. Rainier

647 Q: Strategic Blunders - Napoleon Bonaparte's two greatest military blunders included letting his generals become involved in a long, losing campaign in Spain and his invasion of what country in 1812?

A: Russia

648 Q: Matter - What state of matter is between the liquid and plasma states?

A: gas

649 Q: Plant Roots - Name the minute extensions of the root epidermis that vastly increase the root's ability to absorb water.

A: root hairs

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 650 Q: Preposterous Pronouncements - How many prepositional phrases are in this warning published in 1901?  
Doctors tell us that thousands of children will be harmed or killed before birth by the injurious effect of untimely political excitement on their mothers.
- A: 5
- 651 Q: Seas - How many mainland European countries are contiguous with the Norwegian Sea?
- A: 1
- 652 Q: Skin Problems - Name the crack or split in the skin or piece of dead skin along the sides or base of a fingernail.
- A: hangnail
- 653 Q: Viking Transportation - What is the name of the seagoing vessels of the Vikings?
- A: longships
- 654 Q: Official Meetings - The announcement by the presiding officer to convene a meeting is known as the call to what?
- A: order
- 655 Q: Insects - What soft-bodied social insects, of which there are some 4000 species, are major detritivores whose diet largely consists of leaf litter and wood?
- A: termites
- 656 Q: Monarchs - Who in 2015 became the longest reigning monarch in British history?
- A: Elizabeth II
- 657 Q: Plant Cells - Chloroplasts trap what kind of energy?
- A: light (electromagnetic)
- 658 Q: Stayin' Alive - Organisms sometimes evolve the ability to avoid fatal encounters by deceiving predators into treating them as something else. This form of imitation is called defensive what?
- A: mimicry
- 659 Q: Coin Combos - If you have \$4.05 in dimes and quarters consisting of five more quarters than dimes, how many quarters do you have?
- A: 13
- 660 Q: Verbs - What is the transitive verb in this sentence?  
Rover barked, growled, bit the postman's knee, and ran away.
- A: bit (bite)
- 661 Q: Modular Arithmetic - In arithmetic modulo 6, what is the sum of 5 plus 4?
- A: 3

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

662 Q: Drama Terminology - In relation to stage directions, the phrase "at rise" indicates the rising of what?

A: the curtain

663 Q: Sentence Parts - What is the phrase for a noun or pronoun that follows a linking verb and renames, identifies, or explains the subject of a sentence?

A: predicate nominative

664 Q: Autobiographies - What famous woman's autobiography entitled "The Story of My Life" begins with this dedication?

To Alexander Graham Bell who has taught the deaf to speak and enabled the listening ear to hear speech from the Atlantic to the Rockies.

A: Helen Keller

665 Q: Executions - In 1867, Austrian Archduke Maximilian was executed by partisans under Benito Juarez in what country?

A: Mexico

666 Q: Verbs - Name an auxiliary verb that begins with the letter "w".

A: will, would

667 Q: Angles - What adjective applies to the pairs of angles formed by a transversal through a straight line?

A: alternate

668 Q: Stars - Alpha Ari and Beta Ari are the two brightest stars in what zodiacal constellation?

A: Aries

669 Q: Proportionals - What is the fourth proportional in this set?

8, 6, 4

A: 3

670 Q: Colonial Communications - Partly in response to the Stamp Act, the Gaspee Affair, the Currency Act, and the Tea Act, what committees were formed to encourage communications between the colonies?

A: committees of correspondence

671 Q: Head Anatomy - The bones of the head are divided into two groups, one of which includes those of the face. The other includes bones of what other part of the skull?

A: cranium

672 Q: Pi - What numeral occupies the sixth place to the right of the decimal with the number pi?

A: 2

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

673 Q: Probability - Two identical CDs holding 10 songs are put into two CD players set on random play. What is the probability that the same song will play simultaneously on the two players?

A: 1 in 10

674 Q: Measurement Analogies - While minims and drams are apothecaries' measures, chains and townships are measures used in what profession?

A: surveying

675 Q: Mexican History - When Benito Juarez became president and suspended payment of foreign debts, his actions prompted an invasion by French forces that created an empire for what brother of the Austrian emperor?

A: Maximilian

676 Q: Biological Theories - What term is missing from these principles developed by Schleiden and Schwann?

All living things have ----.

All ---- come from preexisting ----.

---- are the basic unit of life.

A: cells

677 Q: Suffrage - In 1869, women in what territory became the first in the nation to obtain the right to vote?

A: Wyoming Territory

678 Q: Animal Farm - The words "to excess" were later added to which of the seven commandments in "Animal Farm"?

A: No animal shall drink alcohol.

679 Q: Wartime Vessels - During World War II, what kind of vessels were these?

U-99

U-124

U-107

U-68

A: submarines (U-boats)

680 Q: Number Problems - Determine two numbers such that their sum is 7 and the sum of their squares is 29.

A: 2 and 5

681 Q: Cliches - What word completes this cliché?

All's fair in love and ...

A: war

682 Q: Algebraic Terminology - In "5(x squared)," the 5 is called the what?

A: coefficient

683 Q: Exponents - Three to the negative second power equals what common fraction?

A: 1/9

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

684 Q: Officials - Due to term limits, retirement, or the defeat in an election, a politician who will not return to office after the present term expires is called what kind of duck?

A: lame duck

685 Q: Modular Arithmetic - Express the product of 6 times 6 in mod 7.

A: 1

686 Q: Infinitives - What is the infinitive in this sentence which also by chance illustrates a mixed metaphor?

That guy's out to butter his own nest.

A: to butter

687 Q: Oceania - The lowest point in Oceania is in what Australian lake bed?

A: Lake Eyre

688 Q: Exponents - What is 216 to the 1/3 power?

A: 6

689 Q: Ptarmigan - What happens to the appearance of a rock ptarmigan as winter approaches?

A: plumage turns white

690 Q: Writing - What literary technique is illustrated in this line?

It's no wonder everyone refers to Mary as another Mother Teresa in the making; she loves to help and care after people everywhere.

A: allusion

691 Q: Circles - Find the circumference of a circle with a radius of 5 meters.

A: 31.4 meters

692 Q: Official Titles - What official title did these men hold?

Ivan IV, Feodor III, Peter I, Nicholas II

A: czar

693 Q: Circumference - To the nearest whole number, what is the approximate circumference of a circle with a radius of 15 centimeters?

A: 94 centimeters

694 Q: Canals - What seaway connecting the Great Lakes and the Atlantic Ocean was completed in 1959?

A: St. Lawrence Seaway

695 Q: Science History - What medieval science is suggested by the title, "Harry Potter and the Philosopher's Stone"?

A: alchemy

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

696 Q: Checking - You're running out of money in your checking account, but you'll be getting your monthly salary check next week. You can write a check today but put a date on it for a couple weeks in the future. This is called what?

A: post-dating

697 Q: Chemical Tests - If litmus paper dipped into an unknown liquid turns red, what can be said about the liquid?

A: It is acidic. (It contains acid.)

698 Q: Political Malapropisms - What word should a former governor have used when he referred to states as "lavatories of innovation and democracy"?

A: laboratories

699 Q: Medieval Literature - In Malory's "Le Morte d'Arthur," what is the title of those elite warriors sworn to uphold the values of courage, loyalty, honor, and faith?

A: knight

700 Q: A Pirate's Long Farewell - After his execution in 1701, what pirate's body was left hanging for two years in an iron cage over the Thames River as a warning to would-be pirates?

A: Captain (William) Kidd's

701 Q: Simplifying - Simplify  $(6x)/-3$ .

A:  $-2x$

702 Q: Salty Water - What adjective indicates water that is more saline than fresh water but less saline than seawater?

A: brackish

703 Q: Sound - Ultrasound is pitched higher than any human can hear while sound lower than anyone can hear is called what?

A: infrasound

704 Q: Baseball Statistics - Pete Carney, who is hitting .300 for the year, usually gets up to bat four times per game. To the nearest whole number, how many hits is Pete likely to get in the next six games?

A: 7

705 Q: European Leaders - At full height, he was remarkable for his commanding head and his broad low brow, piercing black eyes, wide mouth, and jutting square jaw. This Italian Fascist dictator was Benito who?

A: Mussolini

706 Q: A Door That Is Not a Door? - Actually, the silkworm is not a worm. What is it?

A: a caterpillar

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 707 Q: Walkways - Around a rectangular garden that is 200 by 400 feet is a 4-foot-wide walkway. How many square feet are in the walkway?
- A: 4864
- 708 Q: Circles - How many degrees are in a central angle subtended by a semicircle?
- A: 180 degrees
- 709 Q: Platonic Solids - How many vertices are there in a hexahedron?
- A: 8
- 710 Q: Invading Armies - In 1950, troops from what nation invaded the country in which these cities are located?  
Pusan  
Inchon  
Seoul
- A: North Korea
- 711 Q: RPM - If a motor runs at 6000 rpm, how many degrees does it rotate per second?
- A: 36,000
- 712 Q: Wars - This is about what war?  
U.S. involvement there began almost unnoticed.  
It grew slowly, without either a declaration of war by Congress or an announcement by the government to the American people.  
Eisenhower sent military aid and allowed the CIA to assist the Diem government.
- A: Vietnam War
- 713 Q: Flood Damage - Among the buildings devastated by the flooding of the Cumberland River in 2010 was the Grand Ole Opry in what city?
- A: Nashville, Tennessee
- 714 Q: Parachutes - A parachute slows the descent of a falling object by creating what force that retards motion?
- A: drag
- 715 Q: European History - What country suffered this political crisis?  
With neither an orderly government nor fixed principles of justice, the reign of terror spread. Leaders of the revolution on Monday were suspected on Tuesday and beheaded on Wednesday.
- A: France



## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 716 Q: Poetic Grammar - What grammatical construction is repeated in this verse?  
Into the heart, into the heart,  
Into the heart it came,  
Piercing and probing,  
And setting aflame.
- A: phrase (prepositional phrase)
- 717 Q: Power Systems - The interconnected system for distributing electricity throughout a wide area is called a power what?
- A: grid
- 718 Q: Pronouns - What kind of pronoun is in this line?  
Who is knocking at the door?
- A: interrogative
- 719 Q: Immigration Chaos - What adjective describes U.S. cities that will not use municipal employees or resources to enforce federal immigration laws?
- A: sanctuary
- 720 Q: Punctuation - What punctuation mark could be inserted in the parentheses in this example to express doubt or uncertainty?  
Julius Caesar, born ( )100 B.C.
- A: question mark
- 721 Q: Discount Problems - You just bought a Great Auk statue at a 25% discount and saved \$18. What was the sale price of this fine collectible figurine?
- A: \$54
- 722 Q: Taxation - In most states, the consumption tax charged at the point of purchase for most goods is known as what kind of tax?
- A: sales tax
- 723 Q: Libraries - The largest and most significant library of the ancient world was in what ancient Egyptian city on the Nile Delta?
- A: Alexandria
- 724 Q: Animals - What group of living creatures is described by these features?  
-lay eggs on land  
-poikilothermic  
-dry, scaly skins
- A: reptiles
- 725 Q: Candidates - What noun indicates those elected officials who seek an additional term in office?
- A: incumbents
- 726 Q: Presidents - What U.S. president immediately preceded Dwight Eisenhower?
- A: Harry Truman

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 727 Q: Aviation - What hazardous speed for an aircraft is lowered through the use of flaps?  
A: stall speed
- 728 Q: Disorders - Paralysis is caused by damage to what body system?  
A: nervous system
- 729 Q: Polygon Angles - What is the measure of an exterior angle of a dodecagon?  
A: 30 degrees
- 730 Q: Books - What is the name for an annual publication that contains information about the previous year?  
A: yearbook
- 731 Q: Folklore - What letter of the alphabet is missing in this statement about seafood safety?  
The oyster is unseasonable and unwholesome  
in all months that do not have the letter ----  
in their names.  
A: r
- 732 Q: Spectral Scribes - Mel just finished writing an autobiography of a famous athlete. The athlete paid him for his work with the understanding that the athlete got credit as the author, as though he had written it himself. In this arrangement, Mel was what kind of writer?  
A: ghostwriter
- 733 Q: Novels in Brief - What novel inspired this haiku?  
Love is a thoughtcrime.  
The Thought Police make Winston  
forget whatshername.  
A: 1984
- 734 Q: Deadlocks - What war ended in a stalemate between the two sides in 1953?  
A: Korean War
- 735 Q: Pretentious Proverbs - How is this proverb usually stated?  
The absence of sound is as gratifying  
as a soft, yellow, corrosion-resistant,  
malleable and ductile trivalent element.  
A: Silence is golden.
- 736 Q: Body Systems - What body system consists of glands that produce hormones to be released directly into the blood?  
A: endocrine system
- 737 Q: Cycles - In the Old Testament, we find this quote. "All the rivers run into the sea, yet the sea is not full." This fact is literally explained by what natural cycle?  
A: hydrologic (water) cycle

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

738 Q: Probability on the Range - On the shooting range one day, in your ammo pouch you had 25 Eley Match .22 rounds. Then you dumped in 50 Remington Thunderbolt and 30 Federal Champion .22 rounds. What is the probability that the first round you pull out randomly is an Eley?

A:  $5/21$  (or 5 in 21)

739 Q: Clauses - What is the function of the noun clause here?  
Whatever my leader requests, I will do.

A: direct object

740 Q: Vision - Symptoms of what eye problem are similar to trying to peer through a sheet of falling water or through a frosty or fogged window?

A: cataracts

741 Q: Ecological Disasters - Massive soil erosion and the disappearance of forests occurred when millions of gallons of herbicide were sprayed over the countryside of what nation by the U.S. Army during the 1960s?

A: Vietnam

742 Q: Parallelograms - A parallelogram with a base of  $y$  to the 4th power has an area of  $y$  to the 8th power. In terms of  $y$ , what is the height of this figure?

A:  $y$  to the 4th power

743 Q: Japan - Japan was one of the most traditional and isolated societies in the world when what American commodore took a fleet there in 1853?

A: Matthew Perry

744 Q: Related Words - What same three letters end the nouns with these definitions?

- a slaughter
- respect
- a property lien
- a wise man
- trash
- bravery

A: -age

745 Q: British Installations - In Great Britain, what kind of facilities are Gatwick and Heathrow?

A: airports

746 Q: Congressional Proposals - What is the term for a proposal by a member of Congress to alter the language, provisions or stipulations in a bill, resolution, motion, or treaty?

A: amendment

747 Q: Canals - The Cape Cod Canal goes through a peninsula which is part of what state?

A: Massachusetts

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

748 Q: Solutions - If a sugar mixture contains 3.5 percent water, how many pounds of water are in 178 pounds of this mixture?

A: 6.23

749 Q: Frontiersman Poetry - What surname is missing in this verse by Lord Byron?

Of the great names which in our faces stare,  
The General ----, backwoodsman of Kentucky,  
Was happiest amongst mortals any where;  
For killing nothing but a bear or buck, he  
Enjoyed the lonely vigorous, harmless days  
Of his old age in wilds of deepest maze.

A: Boone

750 Q: Slang - What fruit is used to describe a defective automobile?

A: lemon

751 Q: Propeller Proportions - The ratio of the rotation of a propeller to the engine driving it is 3 to 4. If the engine is turning at 5600 rpm, what is the propeller rate?

A: 4200 rpm

752 Q: City Nicknames - Cities with these nicknames are located in what state?

Big Raggedy  
Frog Capital of the World  
Crawfish Capital of the World  
Jambalaya Capital of the World

A: Louisiana

753 Q: Quicksand - Quicksand occurs when sand grains are separated by what substance?

A: water

754 Q: Relations - What is the range in this set of ordered pairs?

(1,8), (1,2), (3,9), (7,9), and (12,16)

A: (2, 8, 9, 16)

755 Q: End of a Terrorist - The raid into Pakistan in which Osama bin Laden was killed was conducted by what American special operations unit?

A: SEALs

756 Q: Circles - What is the name for the shorter arc between two points on a circle?

A: minor arc

757 Q: Facilities - What kind of facilities are the Abbey, Ford's, the Globe, the Old Vic, the Bolshoi, and Grauman's Chinese?

A: theaters

758 Q: Music - What musical term means either the second part of a minuet or a composition for three voices or instruments?

A: trio

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

759 Q: Historical Disputes - Both Great Britain and Spain have claims to what peninsula on the southern coast of Spain?

A: Gibraltar

760 Q: Law Enforcers - Beginning in 1935, G-Men worked for what federal agency?

A: FBI

761 Q: Excommunication - In 1521, Pope Leo X excommunicated what German theologian and leader of the Reformation?

A: Martin Luther

762 Q: Cabinet Offices - What federal department is responsible for national highways, railroads and airlines?

A: Department of Transportation

763 Q: Fictional Monarchs - In Mark Twain's "The Prince and the Pauper," what is the first name of the boy who is eventually crowned king of England?

A: Edward

764 Q: Velocity - Velocity is a vector measurement because it gives both speed and what else?

A: direction

765 Q: Predators - The top predator in the estuaries of Australia is the saltwater what?

A: crocodile

766 Q: Messages - These are among the last messages radioed from what doomed vessel in 1912?

-It's a CQD, old man.

-Come quick. Engine room nearly full.

-We are putting passengers off in small boats.  
Women and children in boats. Cannot last  
much longer. Losing power.

-We have struck an iceberg and sinking by  
the head.

A: Titanic (R.M.S. Titanic)

767 Q: Body Defenses - What is promoted by the tiny bodies in blood plasma called platelets?

A: blood clotting

768 Q: Percent Problems - If 10% of X is Y, then, in terms of Y, X equals what?

A: 10 Y

769 Q: Great Lakes History - In 1813, ten U.S. vessels under Commodore Oliver Perry met six British vessels under Captain James Barclay in a battle on which of the Great Lakes?

A: Lake Erie

**Academic Hallmarks 2022**

**New Mexico High School Junior Varsity Practice 2022-23 1000 Set**

770 Q: Spokes - How many spokes are on a wheel if every two adjacent spokes form an angle of 15 degrees?

A: 24

771 Q: Rivers - The Rio Grande practically bisects what state?

A: New Mexico

772 Q: Punctuation - How many commas are needed in this sentence?

I sent a copy of the itinerary to Mrs. Vernon V.  
Veblefetzter C.P.A. 182 North Vulcan Way  
Valley View Vermont.

A: 4

773 Q: Fictional Characters - Marko Ramius, the character created by Tom Clancy, had a job most similar to what character created by Jules Verne?

A: Captain Nemo

774 Q: Energy Interactions - An object such as Earth is said to be in radiative balance when it is emitting the same amount of energy that is being what?

A: absorbed

775 Q: Ancient Measures - A Greek stadion was equal to 622 feet. If there are 18.3 inches in a cubit, to the nearest whole number, how many cubits were in a stadion?

A: 408

776 Q: Averages - What is y if the average of 35, 45, and y equals five more than twice y?

A: 13

777 Q: The Regolith - Name that portion of the regolith that contains organic material capable of nourishing plant life.

A: soil (topsoil)

778 Q: Volume - How many cubic feet are in a box measuring 6 feet by 2 yards by 3 feet?

A: 108

779 Q: Earth's Atmosphere - What is the most common element in Earth's exosphere?

A: hydrogen

780 Q: Metals - What is the only metal on the periodic table that is not solid at room temperature?

A: mercury

781 Q: Bats - Name the substance produced by bats that has been mined from caves and used as fertilizer and in explosives.

A: guano (dung, etc.)

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

782 Q: Heavy Bird Metrics - The heaviest living flying animal is the great bustard weighing in at about 46 pounds or how many kilograms?

A: 21

783 Q: Parallelism - What two parts of speech are paralleled in this example?  
I have always sought but seldom obtained  
a striped bass greater than ten pounds.

A: adverbs, verbs

784 Q: Number Problems - If five more than one-half of a number equals three times the number, what is the number?

A: 2

785 Q: Sentence Transformation - Restate as an interrogative the three-word statement made by Douglas MacArthur upon leaving the Philippine Islands during the Second World War.

A: Shall I return?

786 Q: The Eyes Have It - Pigments in what part of the eye are responsible for eye color?

A: iris

787 Q: Math Sequences - These numbers illustrate what kind of sequence?  
16 , -8 , 4 , -2 , 1

A: geometric sequence

788 Q: Inequalities - What is the value of p if  $3p - 7 < 2$ ?

A:  $p < 3$

789 Q: Disorders - Osteoporosis causes what structures in the body to become brittle?

A: bones

790 Q: Percentages - To the nearest tenth, what is the number if .15% of the number is 10?

A: 6666.7

791 Q: Photosynthesis - Plants mostly absorb the wavelengths of light in what two primary colors?

A: red, blue

792 Q: Tiny Bubbles - When a tablet for an upset stomach is placed in water, the weak acids and bicarbonates in the tablet react, producing bubbles of carbon dioxide. What is the term for the production of small gas bubbles in a liquid?

A: effervescence

793 Q: Latitudes - Name the parallel marking the edge of the southern polar zone.

A: Antarctic Circle

794 Q: Trails - Completed in 1937 and named for a mountain system, what scenic trail runs from Springer Mountain, Georgia to Katahdin, Maine?

A: Appalachian Trail

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

795 Q: Hot Spots - Geologically speaking, the hot spot in the Pacific Ocean is beneath what island chain?

A: Hawaii

796 Q: Anchovy Sales - The Auk Anchovy Works sold 4000 jars of pickled anchovies during its first week in business. If they can increase sales by 500 jars each week, how many jars will they sell in their 12th week?

A: 9500

797 Q: Polynomial Squaring - Square  $x + y$ .

A:  $x^2 + 2xy + y^2$

798 Q: Number Problems - If the sum of 13 and 26 is 73 more than a number, what is the number?

A: -34

799 Q: Nutritional Adjectives - What adjective indicates the kind of calories present in alcohol or simple sugars that are void of significant food value and nutrients?

A: empty

800 Q: Algebra - If  $abx$  equals  $ac$ , then what does  $bx$  equal?

A:  $c$

801 Q: Structures - These are all types of what structures?  
hurdle, electric, palisade, picket, split-rail,  
snow, chain-link, barbed wire, post-and-rail

A: fences

802 Q: Hunting Accidents - When the Lewis and Clark expedition was about a month away from returning to St. Louis, the evidence shows that Pierre Cruzatte, one of its members, was probably responsible for accidentally wounding whom?

A: Meriwether Lewis

803 Q: Conjunctions - What coordinating conjunction begins with "n"?

A: nor

804 Q: Molecules - What adjective describes a molecule consisting of two atoms?

A: diatomic

805 Q: Series - What is the next term in this series?  
primary, secondary, ...

A: tertiary

806 Q: Perfect Numbers - A number is said to be perfect if the sum of all its divisors except itself equals the number. What single-digit number is perfect?

A: 6



## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 807 Q: Quadrilaterals - With any concave quadrilateral, the measure of one of its internal angles must exceed how many degrees?
- A: 180
- 808 Q: Roots - What is the world's most widely consumed tuberous root?
- A: potato
- 809 Q: Drug Wars - The first Opium War occurred in 1839 when the government of what country seized all the opium in warehouses run by the British?
- A: China
- 810 Q: Seas - What sea lies between Ireland and England?
- A: Irish Sea
- 811 Q: Refrains - What verb phrase is in the refrain in the various verses of the "Battle Hymn of the Republic"?
- A: is marching on (is marching)
- 812 Q: Asian Rivers - The mouths of the Irrawaddy, Godavari, Krishna, Meghna, Ganges, and Brahmaputra are in what bay?
- A: Bay of Bengal
- 813 Q: Whales - While human brains weigh about 3 pounds, what kind of whales have brains in the 18-pound range, giving them the largest brain mass of any living animal?
- A: sperm whales
- 814 Q: Lenses - Which of the two basic types of lenses is thicker at the middle than at the edges?
- A: convex
- 815 Q: Bicontinental Nations - Name either of the two Asian countries that are also part of Europe.
- A: Turkey, Russia
- 816 Q: Sculpture - What common term in sculpture refers to the construction of a figure in clay or wax?
- A: modeling
- 817 Q: Hawaiian Exploration - Captain Charles Clerke commanded the HMS Resolution when it became the first European ship to land at Waimea Bay. Captain Clerke had taken command when what previous captain had been killed at Kealahou Bay?
- A: James Cook
- 818 Q: Where is it? - Where in the body would you find the patella?
- A: Knee
- 819 Q: Winter Weather - An intermountain high is an area of high pressure that occurs during the winter between the Sierra-Cascade ranges and what other mountain range?
- A: Rocky Mountains (Rockies)

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

820 Q: Founding Fathers - Name the American Revolutionary leader who wrote a protest to the Stamp Act, helped found the Non-Importation Association to repeal the Townshend Acts, formed the Boston Committee of Correspondence, and organized the Boston Tea Party.

A: Samuel Adams

821 Q: Writing Techniques - What literary technique is illustrated in this?  
Ronald comes in from shoveling two feet of snow from his driveway when it's 10 below zero and there are icicles hanging from his moustache, and he says, "It's a bit on the nippy side today."

A: understatement

822 Q: International Relations - The League of Nations was founded as a result of the Paris Peace Conference that ended what war?

A: World War I

823 Q: Nonfiction - "Farewell to Manzanar" is the true story of a Japanese-American family's confinement in the Manzanar internment camp during World War II in what state?

A: California

824 Q: Parallelograms - What kind of triangles are formed by any diagonal in a parallelogram?

A: congruent

825 Q: Alloy Expressions - What expression meaning to arrive at the heart of a matter concerns short, flat-headed nails made of a copper and zinc alloy?

A: getting down to brass tacks

826 Q: Fracture Anatomy - Name the three bones which may be involved in a fracture of the elbow.

A: humerus, radius, ulna

827 Q: Fractional Equations - What is the value of x in this equation?

$$\frac{1}{x+1} = \frac{1}{2x-1}$$

A: 2

828 Q: Time Measures - How many decades are there in 2 millennia?

A: 200

829 Q: Insurance Calculations - If the premium for \$1000 of insurance is \$50, what is the premium for \$5500 of insurance?

A: \$275

830 Q: Civil War Quotations - The words, "All we ask is to be let alone," were uttered by what Confederate president?

A: Jefferson Davis

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 831 Q: Art History - Alexander Calder described what art form as “abstract sculptures that move“?  
A: mobiles
- 832 Q: Mortgages - When you start up a mortgage on your new home, at first most of the monthly payments goes for interest, but by the end of the loan, most of the payments go towards what?  
A: the principal
- 833 Q: Propaganda - What propaganda technique involves quotations or endorsements, in or out of context, that attempt to connect a famous or respectable person with a product?  
A: testimonial
- 834 Q: American Novels - What story about the love between a boy and his dog is centered around a Southern family struggling to survive after the father is sent to prison for stealing food?  
A: Sounder
- 835 Q: Diamonds - What is the unit of weight of diamonds?  
A: carat
- 836 Q: Word Derivations - What is the noun derived from the Latin roots “con,” meaning “with,” and “sentire,” meaning “to feel,” which means general agreement or concord?  
A: consensus
- 837 Q: Mysterious Regions - A region in the western part of the North Atlantic Ocean where a number of aircraft and surface vessels have disappeared under mysterious circumstances is known as what triangle?  
A: Bermuda (Devil's) Triangle
- 838 Q: Medical Tests - An electrocardiogram is a recording of electrical impulses that flow through what organ?  
A: heart
- 839 Q: Battles - When he said, “Another such victory and we are ruined,” one of Santa Anna's officers was referring to a battle at what site?  
A: Alamo
- 840 Q: Kingdoms - These were located in the region occupied by what modern country?  
Kingdom of Westphalia  
Kingdom of Saxony  
Kingdom of Hanover  
Kingdom of Bavaria  
Kingdom of Wurttemberg  
A: Germany
- 841 Q: Hollering Homophones - What game are you playing if, after hitting the ball, you yell a homophone for the square root of 16?  
A: golf

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

842 Q: Legends - What Old West bank and train robber is often portrayed as the American Robin Hood?

A: Jesse James

843 Q: European History - In 1789, against a decadent and bankrupt monarchy, in just over one month, the Third Estate transformed the Estates-General into a national Assembly in what country?

A: France

844 Q: Polygons - The areas of two similar polygons are 25 and 81 square feet. The length of a side of the larger polygon is 72 feet. What is the length of the corresponding side of the smaller polygon?

A: 40 feet

845 Q: Life Forms - Species of what life form may have these shapes?  
spirilla, cocci, vibrio, spirochetes, bacilli

A: bacteria

846 Q: Algebraic Percentages - What percent of  $p$  is  $q$ ?

A:  $100q/p$

847 Q: Pendulums - What is the term for the time it takes for a pendulum to make one swing?

A: period

848 Q: Spreading Centers - If new magma erupts, solidifies along a mid-ocean ridge, and is forced away from the ridge at a rate of 1 centimeter per year, how many million years will it take that crustal material to move 1000 kilometers from the spreading center?

A: 100

849 Q: Mathematical Roots - If  $n$  equals 3, what is the  $n$ th root of a number called?

A: cube root

850 Q: Linear Equations - Three added to six times what number equals 39?

A: 6

851 Q: Ability Loss - The psychological impairment called agraphia indicates a loss of a pre-existing ability to do what?

A: write

852 Q: Life - Some varieties of what life form fix nitrogen from the atmosphere while other varieties in hydrothermal vents convert hydrogen sulfide and methane into energy?

A: bacteria

853 Q: Solids - How many edges are on an octagonal pyramid?

A: 16

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

854 Q: Circles - Circles have how many medians?

A: infinite

855 Q: Borrowed Words - These English words were borrowed from what language?  
staccato, virtuoso, campanile, grotto

A: Italian

856 Q: Nautical Distances - A ship is approaching a port from the south and is twelve miles away. Another ship approaching the same port from the east is sixteen miles away. How far apart are the ships?

A: 20 miles

857 Q: Square Root Simplification - Simplify the square root of  $(25/y^2)$ .

A:  $5/y$

858 Q: Noun Clauses - What is the complete noun clause in this line?

She had always been interested in finding out  
where the sidewalk ends.

A: where the sidewalk ends

859 Q: Punishments - Those convicted of what broad category of crimes may face punishments that include probation, community service, short jail terms, or part-time imprisonment on weekends?

A: misdemeanors

860 Q: Quadrilaterals - In what kind of quadrilateral are all four pairs of consecutive interior angles supplementary, with none of them being right angles?

A: parallelogram

861 Q: Perfect Tenses - Restate this sentence in the future perfect.  
I goofed.

A: I will have goofed.

862 Q: Music Notation - On sheet music, notes for a pitch beyond the range of the five-line staff are represented by what lines?

A: ledger lines

863 Q: Parodies - What is the meaning of the second "thou" in this line?

A loaf of bread, a jug of wine, and thou is good  
but a loaf of bread, a jug of wine, and 50 thou  
would be better.

A: thousand

864 Q: Animals - Derived from the name of a Roman god of nature, what is the collective name for all the different kinds of animal life in a given region?

A: fauna

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

865 Q: Pathfinders - In 1906, what Norwegian polar explorer became the first navigator to sail from the Atlantic to the Pacific via the Northwest Passage?

A: Roald Amundsen

866 Q: Marine Biology - In addition to having cartilage, gill covers, and an air bladder, members of the class Osteichthyes have a skeleton composed of what?

A: bone

867 Q: Polyhedrons - What Platonic solid has three times more faces than a tetrahedron?

A: dodecahedron

868 Q: Art Materials - What material derived from cellulose pulp is essential if you want to practice decoupage or origami?

A: paper

869 Q: Astronomical Antonyms - What is the opposite of aphelion?

A: perihelion

870 Q: Borders - What country borders Estonia, Latvia, Belarus, Ukraine, Georgia, and Azerbaijan?

A: Russia

871 Q: Counties - These are counties in what U.S. state?

Middlesex, Berkshire, Suffolk,  
Essex, Nantucket, Plymouth

A: Massachusetts

872 Q: California City Founders - In 1769, San Diego was founded by what Franciscan friar?

A: Junipero Serra

873 Q: Theaters - The Bolshoi Theatre is located in what Eastern European city?

A: Moscow

874 Q: English Monarchs - During what British king's reign did Britain gain Ireland while losing the American colonies?

A: George III

875 Q: Arithmetic Series - What is the sum of the first ten terms in this series?

$1 + 2 + 3 \dots$

A: 55

876 Q: Fractional Equations - Solve this equation for w.

$\frac{w}{2} - \frac{w}{3} = 5$

A: 30

877 Q: Ocean Floor Topography - What features on the ocean floor are reminiscent of the seam on a baseball?

A: mid-ocean ridges

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

878 Q: Periscopes - The simplest periscope consists of a tube with two mirrors set parallel to each other at angles of how many degrees?

A: 45 degrees

879 Q: Ancient Battles - The biblical Battle of Jericho is said to have taken place near what Middle Eastern river?

A: Jordan River

880 Q: Extinct Creatures - What animal mentioned in "Alice in Wonderland" was last seen on the Indian Ocean island of Mauritius?

A: dodo

881 Q: Ocean Floor Geology - What kind of plains are located between the base of the continental rise and abyssal hills?

A: abyssal plains

882 Q: Time Measurement - In military time, express twenty to six in the evening.

A: 1740 hours

883 Q: Cells - What do uninucleate cells have?

A: one nucleus

884 Q: Transportation - In 1863, what two companies began building railroads that would meet in 1869 at Promontory Summit, Utah?

A: Central Pacific, Union Pacific

885 Q: Wordiness - What should be dropped from this sentence to eliminate redundancy?  
Last month, I told you the reason why there are no fish in this stream.

A: the reason (or why)

886 Q: Algebraic Operations - Multiply  $3n-4$  by  $3n+4$ .

A:  $9(n \text{ squared}) - 16$

887 Q: Probability - If you have a bag holding 12 black, 3 white, and 2 yellow balls and take out 2 black balls, what is the probability that the next one randomly removed is white?

A:  $1/5$  (or 1 in 5)

888 Q: Landmasses - At one time, almost all of the world's landmasses were joined in a single supercontinent called Pangaea. This name is derived from two Greek words meaning what?

A: all earth (all land)

889 Q: English Generals - What British general who commanded troops throughout the Revolutionary War surrendered at Yorktown in 1781?

A: Cornwallis (or Charles Cornwallis)

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

890 Q: Fantasy Settings - Name the fictional archipelago that is the setting for a series of novels by Ursula Le Guin that includes these titles.

The Tombs of Atuan  
The Farthest Shore  
Tehanu  
The Other Wind

A: Earthsea

891 Q: Geographical Gaps - In relation to Great Britain, what is the gap indicated in this excerpt?  
Without the gap, Napoleon and Hitler may well have had more successful careers.

A: English Channel

892 Q: Breakers - As waves approach the shore and wave height increases, what other characteristic of waves decreases?

A: velocity (or wavelength)

893 Q: Military Personnel - What term that originally referred to Australian miners was also adopted during World War I by soldiers from Australia and New Zealand?

A: digger

894 Q: Triangles - If an exterior angle at the base of an isosceles triangle measures 114 degrees, what is the measure of the vertex angle?

A: 48 degrees

895 Q: Presidential Powers - Under what circumstances is a president obligated to grant clemency to a convicted criminal?

A: none

896 Q: Thermodynamics - According to the second law of thermodynamics, what will not pass spontaneously from a cold body to a hotter one?

A: heat

897 Q: Monarchs - Who was the last queen of the archipelago where the U.S.S. Arizona rests?

A: Liliuokalani

898 Q: Venn Diagrams - In a fitness center, 40 members play racquetball and/or swim each morning. 24 of them play racquetball and 29 swim. How many do both?

A: 13

899 Q: Mountain Formation - Two related processes responsible for many of the world's great mountain ranges are faulting and what other?

A: folding



## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

900 Q: Tissues - These are types of cells that comprise what kind of tissue?

lymphocytes  
platelets  
monocytes  
leukocytes  
erythrocytes  
neutrophils

A: blood

901 Q: War Outcomes - This is about what peninsula?

Politically and physically, little had changed on the peninsula. The boundary was roughly the same. Syngman Rhee controlled the south and Kim Il Sung ruled the Communist north.

A: Korea

902 Q: Propaganda - What propaganda technique simply hides bad things about something and says good things about it?

A: card stacking

903 Q: Coral - Myriads of individual, genetically identical coral polyps live in groups called what?

A: colonies

904 Q: Sound Waves - The higher the frequency, the higher the pitch we hear. The higher the pressure of the wave crest, the ---- the sound we hear.

A: louder

905 Q: Legendary Old West Guys - The grave of what man killed during a poker game is on Deadwood's Boot Hill next to Calamity Jane's?

A: Wild Bill Hickok

906 Q: So Much for Recommendations - In the midst of the 2020 COVID-19 outbreak, despite all the cautions to keep one's distance from others, what form of transportation in New York City continued to have people standing shoulder-to-shoulder or sitting while squished together?

A: subway

907 Q: Factoring - Factor  $pq + rq$ .

A:  $q(p + r)$

908 Q: World War II Battles - The Battle of the Bulge began just before what holiday?

A: Christmas

909 Q: Trapezoids - If the area of a trapezoid is 72 and its bases are 17 and 7, what is its height?

A: 6

910 Q: Understatement - Restate this sentence by eliminating the understatement.

Brunhilda is definitely not a nonconformist.

A: Brunhilda is definitely a conformist.

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

911 Q: Verbs - Verbs that express information received through sight, hearing, smell, and taste are classified as what kind of verbs?

A: sensory verbs

912 Q: Arthropods - What kind of insect is the June bug?

A: beetle

913 Q: Muscle Tissue - What adjective meaning "striped" applies to skeletal muscle tissue?

A: striated

914 Q: Algebraic Multiplication - What is the product of  $.035(4000-2x)$ ?

A:  $140-.07x$

915 Q: Distance Geometry - You walk 20 yards due east, then 40 yards due south, and then 10 more yards due east. You are how many yards from your starting point?

A: 50

916 Q: Number Problems - Two numbers are represented by  $x$  and  $(30-x)$ . What is the second number if the first is six more than twice the second?

A: 8

917 Q: Mountains - What mountains span Morocco, Algeria, and Tunisia?

A: Atlas Mountains

918 Q: Dictators - These were dictators on what continent?

Charles Taylor  
Paul Biya  
Robert Mugabe  
Idi Amin Dada

A: Africa

919 Q: Ocean Location - The title of this work by Samuel Hearne indicates what ocean?

A Journey from Prince of Wales's Fort  
in Hudson's Bay to the Northern Ocean

A: Arctic Ocean

920 Q: Exterior Angles - What is the sum of the measures of the exterior angles of a convex quadrilateral?

A: 360 degrees

921 Q: Volume Multiplication - When the lengths of all sides of a box are doubled, the volume is increased by how many times?

A: 8

922 Q: Ancient Asia - Name the region of east-central Asia throughout which, in the thirteenth century, Genghis Khan united all the tribes and built an empire.

A: Mongolia

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

923 Q: Planetary Measurements - How many planets are one astronomical unit from the Sun?

A: one

924 Q: Money Problems - George went to the Auks-R-Us store with \$16. There he spent half his money plus  $x$  dollars. At the next store, he bought a can of anchovies for  $2x$  dollars and then blew his last two bucks on jalapeno lollipops. How much did the anchovies cost?

A: \$4

925 Q: Naval Firsts - In 1958, what U.S. vessel dived near Point Barrow, Alaska, traveled some 1000 miles under the Arctic ice cap to reach the top of the world, and then proceeded toward Iceland?

A: Nautilus

926 Q: Pigments - What is the complement of blue on a color wheel?

A: orange

927 Q: Speeches - What two words complete this line in the Gettysburg Address?  
Now we are engaged in a great Civil War  
testing whether that nation or any nation  
so conceived and so dedicated can ...

A: long endure

928 Q: Birthplaces - In "Stranger in a Strange Land," Valentine Michael Smith is born on what planet?

A: Mars

929 Q: Polygons - What are the greatest number of points that a straight line may intersect with the sides of a convex polygon?

A: 2

930 Q: African History - In 1960, the government of what country expanded its apartheid policy by making black political parties illegal?

A: South Africa

931 Q: Borrowed Words - The words "kiwi" and "moa" came into the English language from a language spoken in what country?

A: New Zealand

932 Q: Mushrooms - A typical mushroom structure includes the volva, the stem or stipe, the annulus, and gills under the pileus, otherwise known as what?

A: the cap

933 Q: Fathers and Daughters - If Jill's 45-year-old father is 15 years older than twice Jill's age, how old is she?

A: 15

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

934 Q: Newspaper Writing - The most common structure for a news story presents the significant parts of the story first, followed by the rest of the details in order of decreasing importance. Reminiscent of a geometric solid, this structure is called the inverted what?

A: pyramid

935 Q: Chinese History - In 1949, the Chinese people who opposed communism set up their own government on what island?

A: Taiwan

936 Q: Tissues - A myocardial infarct causes scar tissue to form in what muscle?

A: heart

937 Q: Fallacious Reasoning - What fallacy is illustrated in this line?

Hamilton Burger is clearly the best candidate for president because he is totally better than any of the others.

A: circular reasoning (begging the question)

938 Q: Binary Math - Express as a binary numeral the number of players on a soccer team.

A: 1011

939 Q: Matter - Matter consists of elements, compounds, and mixtures. Which of these may be homogeneous or heterogeneous?

A: mixtures

940 Q: The Nazi Military - What in Nazi Germany was the equivalent of the RAF in Britain?

A: Luftwaffe

941 Q: Law - Name the official request to have a higher court review a decision of a lower court.

A: appeal

942 Q: Protoplasm - Carbon, hydrogen, nitrogen, and what other element constitute more than 90 percent of the substances making up protoplasm?

A: oxygen

943 Q: Number Problems - 18 is the sum of two numbers. If three less than twice the smaller number equals the larger number, what is the larger number?

A: 11

944 Q: Distillation Vocabulary - What is the collective term for products made through distillation?

A: distillates

945 Q: Particles - What subatomic particles were named after the first letter in the Greek alphabet?

A: alpha particles

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

946 Q: Angles - You bisect a right angle and then trisect one of the new angles formed. How many degrees are in each of the three smaller angles?

A: 15

947 Q: Homeric Literature - In the "Odyssey," identify the bird-women whose beautiful voices lure sailors to their doom on rocky shores.

A: Sirens

948 Q: Fantasy Characters - The name of what character created by J.M. Barrie was based on that of the Greek god of the woods, fields, and flocks?

A: Peter Pan

949 Q: Practical Chemistry - What is the general name for complex chemical compounds that attach themselves to fabrics or surfaces to give them color?

A: dyes

950 Q: Square Root - What is the square root of -16 squared?

A: 16 (or -16)

951 Q: Parentheses - Parentheses should enclose what in this line?

Charles Dickens 1812-1870 is known for his tales of Victorian life.

A: 1812-1870 (the dates)

952 Q: Gold - How many carats are in an alloy containing 14 parts gold and 10 parts of another metal?

A: 14 carats

953 Q: Tax Statistics - About 880,000 income tax forms were audited in one year, representing 8 out of every 100 people who filed. How many people filed?

A: 11 million

954 Q: Exercise - What triangular masses of muscle tissue covering the shoulder joint are referred to as delts?

A: deltoids

955 Q: Mammals - Marine mammals include seals, whales, dolphins, walruses, and what carnivores related to weasels and minks?

A: otters

956 Q: Energy - The Little Boy atomic bomb dropped on Hiroshima had a yield of about 13 kilotons. About how many Hiroshima bombs are equivalent to one megaton?

A: 77

957 Q: Awards - Grammys are awards given to the record industry's top achievers. That award's name is abbreviated from what early type of phonograph?

A: gramophone

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

958 Q: Objections - What is the collective name for demonstrations of disapproval by individuals or groups of actions or policies of a government or organization?

A: protests

959 Q: Statehood - Maine split off from what other New England state as part of the Missouri Compromise?

A: Massachusetts

960 Q: Algebraic Expressions - Simplify this expression.  
 $-2(3p-2q-1) + 4(p-6q)$

A:  $-2p - 20q + 2$

961 Q: Regions - Named for a mountain range, what cultural region of the United States extends from northern Alabama and Mississippi to the western part of New York?

A: Appalachia

962 Q: Prefixes - What prefix meaning "beyond" or "extremely" can be added to words such as sonic, sensitive, violet, and pure?

A: ultra-

963 Q: Anthem Translations - The national anthem of the Central African Republic is "La Renaissance," which means what?

A: the rebirth

964 Q: Clauses - What is the first subordinate clause in the lyrics of "Home on the Range"?

A: where the buffalo roam

965 Q: Wounds - What kind of wound is deeper than its width or length?

A: puncture (stab) wound

966 Q: Writing Techniques - What kind of sentence connects one part of a composition to the next?

A: transition sentence

967 Q: Drugs - Benadryl is an antihistamine that relieves itching, but it also causes drowsiness. What is another name for this secondary effect?

A: side effect

968 Q: Fictional Characters - Mia Thermopolis is the protagonist in what series of books by Meg Cabot that are set in Manhattan and Genovia?

A: The Princess Diaries

969 Q: Polynomials - What kind of polynomial is illustrated in this expression?  
 $9x + 7y + 3z$

A: trinomial

970 Q: Prisms - Name the faces of a prism that are always parallel.

A: bases

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

971 Q: Asian Nations - This is about what landlocked Asian nation?

Vast, heavy, cold air descends from Siberia in the winter months and collects in its river valleys and low basins causing prolonged and extremely low temperatures there.

A: Mongolia

972 Q: Electrical Resistance - The flow of electrons through a wire depends on four main characteristics of the conductor that cause resistance including its composition, temperature, diameter, and what else?

A: length

973 Q: Reasoning - What fundamental form of reasoning is illustrated in this?

All thirty-seven striped bass we caught at Lake Texoma last week were less than two pounds, so it is likely that all stripers in Lake Texoma are less than two pounds.

A: induction

974 Q: Ecological Succession - If a climax ecosystem is destroyed, as by fire, secondary succession usually leads to the reestablishment of the original climax community. An exception to this is when a climax ecosystem is replaced by deserts. Name this phenomenon.

A: desertification

975 Q: Sentence Analysis - How is "fleeing" used in this example?

The huge marshmallow ran after the fleeing ghostbusters.

A: participle

976 Q: Fluids - Name the revolving region of fluid flow in a sunspot, the Charybdis whirlpool, Jupiter's Great Red Spot, the accretion disk of a black hole, and a waterspout.

A: vortex

977 Q: Biological Malapropisms - What word should have completed this sentence by a struggling student?

Crabs and creatures like them all belong to a family of crushed Asians.

A: crustaceans

978 Q: Expressions - What two-word expression meaning "the greater part of the whole" can be traced to this excerpt from an Aesop fable?

Taking the best piece for himself, he said, "This is mine of course, as I am the lion."

A: lion's share

979 Q: Scientific Notation - Write  $6.4 \times 10$  to the first power in standard form.

A: 64

## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

980 Q: Sums of Squares - The sum of the squares of what two consecutive positive integers is 145?

A: 8, 9

981 Q: Tense - Express the verb "to be" in the third person plural future perfect tense.

A: they will have been

982 Q: Vocabulary - The term "anoxic" indicates a deficiency of what?

A: oxygen

983 Q: Grinding Up Stuff - The pair of tools used in laboratories to crush and grind solids into powder consists of a bowl called a mortar and what club-shaped tool?

A: pestle

984 Q: Sunburn - Moderate sun tanning helps to prevent subsequent sunburn, because it increases the amount of what dark pigment in the skin?

A: melanin

985 Q: Holidays - Among the holidays of what country are Adelaide Cup Day, ANZAC Day, and Melbourne Cup Day?

A: Australia

986 Q: Tongue-in-Cheek Definitions - What word is missing in this definition?

The government ---- is the difference between the amount of money the government spends and the amount it has the nerve to collect.

A: deficit

987 Q: Binomials - What is the square of the binomial,  $x + 5$ ?

A:  $x^2 + 10x + 25$

988 Q: Grammar - What is the subject of this line by Carl Jung?

Show me a sane man and I will cure him for you.

A: you (implied)

989 Q: Probability - A big bird cage holds 8 blue herons, 6 greenheads, 10 cardinals, and one snow goose. If the door is left open, what is the probability that the first bird out will be either a heron or a greenhead?

A: 14/25

990 Q: Parks - Named after a variety of yucca, what is the southernmost national park in California?

A: Joshua Tree

991 Q: Allusions - The name for a subversive group or device placed within enemy ranks alludes to what gift left at the gates of Troy?

A: Trojan horse



## Academic Hallmarks 2022

### New Mexico High School Junior Varsity Practice 2022-23 1000 Set

- 992 Q: Plate Tectonics - This is about which of the world's great plates?  
On its southern and southeastern side, it is bounded by an oceanic rise. Its western side is marked by deep sea trenches and island arcs. Its northeastern side is defined by the San Andreas Fault.
- A: Pacific plate
- 993 Q: Class Ranks - If Noah is both the 50th best and the 50th worst student in his statistics class, how many students are in his class?
- A: 99
- 994 Q: Asian Geography - If you were to fly due west from Okinawa, what is the next country you would fly over?
- A: China
- 995 Q: Fictional Explanations - Who wrote this explanation in a novel?  
"Slithy," Humpty Dumpty explained, "means lithe and slimy. You see, it's like a portmanteau. There are two meanings packed up into one word."
- A: Lewis Carroll
- 996 Q: Prefixes - What is the meaning of the prefix in these words?  
archetypal, archangel, archfiend, archrival
- A: chief (main, most important, highest)
- 997 Q: Presidential Candidates - This candidate crisscrossed the nation insisting that he could get the country moving again. He condemned sloth and immobility and cried out for a renewed national "vigah." Who was this 1960 candidate?
- A: John Kennedy
- 998 Q: History Abroad - These people are associated with the history of what nation?  
Charles II, Henry III, Richard I, James II, Edward III, George I
- A: England (Great Britain)
- 999 Q: New England Geography - It is the eighth least populous but the second most densely populated of the U.S. states. Name this state bordered by Connecticut, Massachusetts, and the Atlantic.
- A: Rhode Island
- 100 Q: Mollusk Deposits - Something of great value may be described as what object that is a lustrous deposit of calcium carbonate formed in the shells of certain mollusks?
- A: pearl