

JUNIOR HIGH SAMPLE SET

1. Which state is home to the university whose teams are referred to as the “Fighting Irish”?

ANSWER: Indiana

2. In what 2010 action movie did Russell Crowe star alongside Cate Blanchett?

ANSWER: “Robin Hood”

3. (Math): Find the number of seconds in 1 hour and 15 minutes.

ANSWER: 4500

4. On which two states’ borders is the Hoover Dam located?

ANSWER: Nevada and Arizona

5. Identify the three methods by which heat is transferred from a higher temperature to a lower temperature.

ANSWER: conduction, convection and radiation

6. Name the person who said, “Yesterday—a date that will live in infamy—the United States of America was suddenly and deliberately attacked by the Naval and Air Forces of the Empire of Japan”.

ANSWER: Franklin D. Roosevelt

7. Which body of water is the longest and most important river in England, and runs through the heart of London?

ANSWER: Thames

8. Spell the name of the element used in toothpaste to prevent cavities.

ANSWER: f-l-u-o-r-i-d-e

9. Identify the war during which Abraham Lincoln and Jefferson Davis fought on the same side.

ANSWER: Black Hawk War

10. (Math): Give the term that refers to a set of numbers or items that is countable.

ANSWER: finite

11. Which river flows through the city of Shreveport, Louisiana?

ANSWER: Red River

12. Identify the New England poet who wrote these lines... Whose woods these are?
I think I know. His house is in the village, though...

ANSWER: Robert Frost

13. In an outline, what type of symbol is used to indicate a major heading?

ANSWER: Roman Numeral

14. (Math): Factor the trinomial $2x^2 + 7x + 5$. Be sure to say "quantity" in your answer.

ANSWER: $(2x + 5)(x + 1)$

15. Besides the central nervous system composed of the brain and spinal cord, what other nervous system consists of 12 pair of cranial nerves and 31 pair of spinal nerves?

ANSWER: Peripheral Nervous system

16. What is the Latin name for the constellation otherwise known as "The Twins"?

ANSWER: Gemini

17. He began his tennis career as a young man with flowing locks, and a pronounced grunt he expended when striking the ball. Name this tennis great who now shaves his head and retired in 2006.

ANSWER: Andre Agassi

18. State the third person singular form, present perfect tense of the verb "drink".

ANSWER: (he) has drunk

19. Which two word phrase is used to describe the plants and animals native to a region?

ANSWER: flora and fauna

20. (Math): Solve the equation for x: $3x - 29 = 5x + 17$

ANSWER: $x = -23$

CITIES AND THEIR RIVERS

Directions: I will name a principal city of the United States. You identify the major river that flows through it.

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|-------------------------------|---|
| 1. Oklahoma City, Oklahoma | 1. (North) Canadian (also accept
"Oklahoma River") |
| 2. Idaho Falls, Idaho | 2. Snake |
| 3. Las Cruces, New Mexico | 3. Rio Grande |
| 4. Grand Island, Nebraska | 4. Platte |
| 5. St. Louis, Missouri | 5. Mississippi |
| 6. Pierre, South Dakota | 6. Missouri |
| 7. Portland, Oregon | 7. Columbia
or Willamette |
| 8. Philadelphia, Pennsylvania | 8. Delaware or
Schuylkill |
| 9. Little Rock, Arkansas | 9. Arkansas |
| 10. Albany, New York | 10. Hudson |

EXTRAS:

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|---------------------------|-------------|
| 1. Bismarck, North Dakota | 1. Missouri |
| 2. Austin, Texas | 2. Colorado |

MATH—FACTORIALS

Directions: Find the value of each factorial expression. For example, $3!$, or 3 factorial, can be found by multiplying 3 times 2 times 1.

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|--------------------------|----------|
| 1. $5!$ | 1. 120 |
| 2. $4! + 5!$ | 2. 144 |
| 3. $5!$ divided by $3!$ | 3. 20 |
| 4. $6!$ | 4. 720 |
| 5. $4!$ | 5. 24 |
| 6. $7!$ | 6. 5,040 |
| 7. $6!$ divided by $3!$ | 7. 120 |
| 8. $5!$ divided by $2!$ | 8. 60 |
| 9. $8!$ divided by $4!$ | 9. 1,680 |
| 10. $7!$ divided by $5!$ | 10. 42 |

EXTRAS:

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|--------------------------|----------------------|
| 1. $0!$ divided by $0!$ | 1. 1 (by definition) |
| 2. $10!$ divided by $9!$ | 2. 10 |

AMERICAN INVENTORS

Directions: I will describe an invention created or patented by an American inventor. You identify the inventor.

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|--|---------------------------|
| 1. Photography pioneer, invented paperback flexible film, the Kodak camera | 1. George Eastman |
| 2. Inventor of the phonograph | 2. Thomas Edison |
| 3. Inventor of the telegraph | 3. Samuel Morse |
| 4. Inventor of the sewing machine | 4. Elias Howe |
| 5. Inventor of the telephone | 5. Alexander G.
Bell |
| 6. Inventor of the paddlewheel steamship | 6. Robert Fulton |
| 7. Inventor of the cotton gin | 7. Eli Whitney |
| 8. Inventor of air brakes, mainly for transportation | 8. George
Westinghouse |
| 9. Launcher of the first liquid-fuel rocket | 9. Robert H.
Goddard |
| 10. Rubber industry pioneer; discovered the the Vulcanization process | 10. Charles
Goodyear |

EXTRAS:

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|---|-----------------------|
| 1. Inventor of arc lighting and incandescent lamp | 1. Nicola Tesla |
| 2. Mechanical mower-reaper | 2. Cyrus
McCormick |

21. Which creature is the only natural enemy of the great white shark?

ANSWER: killer whale (or orca)

22. (Math): Find the probability, on the flip of 4 coins that all will land heads up.

ANSWER: $1/16^{\text{TH}}$

23. Spell the crime you have committed when in writing a paper or an essay, you use others' words without their permission, and without footnoting.

ANSWER: p-l-a-g-i-a-r-i-s-m

24. Only two of England's rulers were *not* crowned here. Name the great national church located near the Houses of Parliament where England's rulers are crowned.

ANSWER: Westminster Abby

25. Identify either state from which John C. Calhoun served as senator.

ANSWER: South Carolina or Massachusetts

26. Which former U.S. President published a 2008 novel about making a difference in the world entitled "Giving"?

ANSWER: President Bill Clinton

27. In Greek and Roman mythology, it was known as the "nectar of the gods". Name it.

ANSWER: ambrosia

28. Franklin W. Dixon authored a mystery series about two brothers from Bayport. What were both of their first and last names?

ANSWER: Frank and Joe Hardy

29. With which sport would you associate nocks, quivers, and broadheads?

ANSWER: archery

30. Identify the author who created a dragon named Custard, who was in search of a safe cage.

ANSWER: Ogden Nash

31. Name the three largest countries in the world based on area.

ANSWER: Russia, Canada, and China

32. Although the capital of Israel is Jerusalem, most countries have their embassies in which other major Israeli city?

ANSWER: Tel Aviv

33. (Math): Solve the proportion $5/(x + 2) = 3/(7x + 1)$ (**Read:** 5 divided by the quantity x plus 2 equals 3 divided by the quantity 7x plus 1). Express your answer as a fraction in simplest form.

ANSWER: $X = 1/32$

34. Name the first and most important Black woman to take a stand against slavery, and to promote the idea of women's suffrage.

ANSWER: Sojourner Truth

35. From which document do the words, "When in the course of human events..." come?

ANSWER: Declaration of Independence

36. During the beginnings of Chemistry, what name was given to medieval chemistry in which the goal was to change base metals into gold?

ANSWER: alchemy

37. Identify the Russian composer of the Christmas favorite *The Nutcracker*.

ANSWER: Peter Tchaikovsky

38. Which substance, found in bogs and swamps, can be described as "unfinished coal"?

ANSWER: peat

39. Spell the name of the South American fish whose name literally means "toothed fish", and has been known to kill animals and humans.

ANSWER: p-i-r-a-n-h-a

40. Whom did Robert E. Lee face in the battle that proved to be the turning point of the Civil War, the Battle of Gettysburg?

ANSWER: George G. Meade

EXTRAS:

41. What is the name of the first nuclear powered submarine to be commissioned in the U.S. Navy?

ANSWER: *Nautilus*

42. Identify the sports great whose nickname was "The Splendid Splinter".
Wooden bats today still sport his name.

ANSWER: Ted Williams

43. Who was the first U.S. President to be inaugurated in the White House?

ANSWER: Thomas Jefferson

44. (Math): Find the value of 7 factorial(or 7 times 6 times 5 times 4 times 3 times 2 times 1).

ANSWER: 5,040

45. Name the lumberjack of legendary strength who performed superhuman feats with a large blue ox.

ANSWER: Paul Bunyan

STUDY OF THE HUMAN BODY

Directions: I will read the name of a field of medical study. You identify the body part associated with that field.

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|---------------------|-------------------------------|
| 1. Cardiology | 1. heart |
| 2. Dermatology | 2. skin |
| 3. Nephrology | 3. kidneys |
| 4. Gynecology | 4. female reproductive system |
| 5. Hematology | 5. blood |
| 6. Gastroenterology | 6. stomach/digestive tract |
| 7. Neurology | 7. Nervous system |
| 8. Ophthalmology | 8. eyes |
| 9. Audiology | 9. ears |
| 10. Podiatry | 10. foot |

EXTRAS:

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|-------------------|---------------------|
| 1. Orthopedics | 1. bones and joints |
| 2. Otolaryngology | 2. Eye, ear, throat |

CENTURIES IN HISTORY

Directions: State the century during which the following events occurred. (All answers are A.D.)

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|---|------------------------------|
| 1. Norman Conquest | 1. 11 th century |
| 2. Dropping of atomic bomb on Hiroshima and Nagasaki | 2. 20 th century |
| 3. Crusades ended | 3. 13 th century |
| 4. Lewis and Clark made their expedition | 4. 19 th century |
| 5. Magellan circumnavigated the world | 5. 16 th century |
| 6. Earliest settlement in North America made in Florida | 6. 16 th century |
| 7. Woodrow Wilson inaugurated | 7. 20 th century |
| 8. French-Indian War | 8. 18 th century |
| 9. Great Stock Market Crash | 9. 19 th century |
| 10. Spanish-American War | 10. 19 th century |

EXTRAS:

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|---|-----------------------------|
| 1. James Cook discovers Hawaii | 1. 18 th century |
| 2. Teddy bear created, inspired by Theodore Roosevelt | 2. 20 th century |

DOGS IN LITERATURE AND FILM

Directions: From the given clue, correctly identify each dog that can be found in literature or in a film.

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| 1. Collie who saved his owner Timmy and family from many near tragic experiences | 1. Lassie |
| 2. Boxer in James Herriot stories who is a gas passer | 2. Cedric |
| 3. Blondie and Dagwood's dog | 3. Daisy |
| 4. Charlie Brown's dog | 4. Snoopy |
| 5. Little Orphan Annie's dog | 5. Sandy |
| 6. Border collie in James Herriot stories who only barks once in his lifetime | 6. Gyp |
| 7. Mickey Mouse's dog | 7. Pluto |
| 8. Garfield's buddy | 8. Odie |
| 9. A cowdog who has his own book series | 9. Hank |
| 10. Dennis the Menace's dog | 10. Ruff |

EXTRAS:

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| 1. Big Bird's canine friend | 1. Barkley |
| 2. India Opal's dog found at the grocery store | 2. Winn-Dixie |