
2020-2021 Middle School / Junior High Practice Written Tests

Written Round 1

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1 Babysitter Math

A babysitter earns \$8 an hour for babysitting 2 children and an additional \$3 tip. If x is the number of hours, what expression could be used to determine how much the babysitter earned?

- A. $2x + 3$
- B. $2x + 8$
- C. $3x + 8$
- D. $8x + 2$
- E. $8x + 3$

2 Bacterial Bodies

Bacteria have, generally speaking, three common shapes: spherical, called cocci; curved, such as the spirochetes or spirillum; and what third shape of rodlike bacteria?

- A. Bacilli
- B. Mycobacteria
- C. Staphylococci
- D. Tuberculi
- E. Vibria

3 Hard and Soft

Choose the SOFTEST mineral, with a score of 1, on Mohs Hardness Scale:

- A. Calcite
- B. Corundum
- C. Feldspar
- D. Quartz
- E. Talc

4 Famous People

Who was the last czar of Russia?

- A. Alexander Alexandrovich
- B. Alexi Nikolaevich
- C. Grigori Rasputin
- D. Nicholas I
- E. Nicholas II

5 Diagnostic Physics

What medical diagnostic technology uses the difference in tissue reflectivity for sound waves to characterize internal lesions?

- A. Computed tomography
- B. Electrocardiography
- C. Electroencephalography
- D. Magnetic resonance imaging
- E. Ultrasonography

6 Colors

Now made from petroleum, carmine was originally made from crushed insects. Carmine is a shade of what color?

- A. Blue
- B. Brown
- C. Green
- D. Red
- E. Yellow

7 Famous People

Which president tasked Meriwether Lewis and William Clark with exploring the Louisiana Purchase?

- A. James Madison
- B. James Monroe
- C. John Adams
- D. John Quincy Adams
- E. Thomas Jefferson

8 Great Lakes

Rochester, New York, borders which of the five Great Lakes?

- A. Lake Erie
- B. Lake Huron
- C. Lake Michigan
- D. Lake Ontario
- E. Lake Superior

9 Landmarks

In which European city can one find the Eiffel Tower, the Arc de Triomphe, and the Louvre?

- A. Berlin
- B. Brussels
- C. Paris
- D. Rome
- E. Vienna

10 Common Characterizations

Marley, Obi-Wan Kenobi, Casper, and Freddy Krueger are all fictional characters who, at some point, were what?

- A. Fairies
- B. Ghosts
- C. Lawyers
- D. Time travelers
- E. Wizards

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11 Other Founders

James Bowie, William B. Travis, David Crockett, and Sam Houston were combatants in the war for independence of what U.S. state?

- A. California
- B. Florida
- C. Georgia
- D. Massachusetts
- E. Texas

12 Agriculture and Civilization

Which of the following crops is believed to have played the largest role in ancient South American civilizations organizing into settled societies?

- A. Barley
- B. Corn
- C. Millet
- D. Rice
- E. Wheat

13 Academis Bowlum!

What spell in the Harry Potter series of books and movies is used to summon a protective animal spirit for assistance?

- A. Accio Espiritus
- B. Avada Kedavra
- C. Expecto Patronum
- D. Expelliarmus
- E. Wingardium Leviosa

14 Inspired Tunes

In 1942, US Vice President Henry Wallace gave a speech proclaiming the dawning of the "Century of the Common Man." What American composer was inspired by this speech to write his "Fanfare for the Common Man"?

- A. Aaron Copland
- B. George Gershwin
- C. Leonard Bernstein
- D. Samuel Barber
- E. Scott Joplin

15 Quirky Words

What is the plastic or metal sheath on the end of a shoelace, cord, or drawstring called?

- A. Aglet
- B. Ferrule
- C. Grommet
- D. Skuller
- E. Transom

16 Algebraic Principles

What algebraic property is expressed in the following? $a(b+c) = ab + ac$

- A. Associative
- B. Commutative
- C. Distributive
- D. Identity
- E. Non-contradiction

17 Important Writings

Who wrote *Silent Spring*, a book that described the harmful effects of pesticides?

- A. Barbara Kingsolver
- B. Edward Abbey
- C. John Muir
- D. Rachel Carson
- E. Terry Tempest Williams

18 Unreasonable Men

Which of these Renaissance artists found it difficult to keep art assistants when working on the Sistine Chapel due to his surly personality?

- A. Donatello
- B. Leonardo DaVinci
- C. Michaelangelo
- D. Raphael
- E. Sandro Botticelli

19 Relative Diameters

If the Sun is 10 times as wide as Jupiter and Jupiter is ten times as wide as the Earth and the Earth is 8,000 miles wide, how many miles wide is the Sun?

- A. 8,000
- B. 8,000,000
- C. 80,000
- D. 80,000,000
- E. 800,000

20 French Language and Culture

Which of the following is NOT a way of saying goodbye in French?

- A. Adieu
- B. Au revoir
- C. Ci vediamo dopo
- D. Salut
- E. À tout à l'heure

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21 Sands Stretch Far Away...

Which of the following is the largest desert in the world, at 3,320,000 square miles?

- A. Gobi
- B. Kalahari
- C. Mojave
- D. Patagonian
- E. Sahara

26 Martian Moons

Which of the following is a moon of the planet Mars?

- A. Callisto
- B. Europa
- C. Io
- D. Phobos
- E. Tethys

22 Bookish Math

A bookcase has 5 shelves. The top shelf has 10 books. Each shelf has 5 more books than the one above it. How many books are there in total?

- A. 100
- B. 125
- C. 140
- D. 30
- E. 50

27 Expanding the Franchise

Which is the term for the right to vote in an election?

- A. Amperage
- B. Coverage
- C. Overage
- D. Suffrage
- E. Visage

23 Tough Trades

A trade war with what country ensued in 2018 when President Donald Trump began to set tariffs and other restrictions against this country because of unfair trade practices?

- A. Canada
- B. China
- C. France
- D. Germany
- E. Mexico

28 Which one is right?

Which of the following sets of side lengths will produce a right triangle?

- A. 5, 11, 12
- B. 5, 12, 13
- C. 5, 6, 8
- D. 5, 7, 11
- E. 5, 9, 10

24 Colonial Authors

What Philadelphian authored the 1776 pamphlet "Common Sense" that influenced the American colonies to declare their independence?

- A. Benjamin Franklin
- B. John Dickinson
- C. Nathaniel Hawthorne
- D. Samuel Adams
- E. Thomas Paine

29 Devonian Developments

What ancient class of terrestrial vascular plants with complex leaves reproduce by spores, but have no flowers nor seeds?

- A. Ferns
- B. Grasses
- C. Gymnosperms
- D. Lichens
- E. Mosses

25 Bildungsroman

Which of the following is NOT an example of a coming of age novel?

- A. *To Kill a Mockingbird*
- B. *The Adventures of Tom Sawyer*
- C. *The Giver*
- D. *The House on Mango Street*
- E. *The Odyssey*

30 Greek Goddesses

Which Greek Goddess was the jealous wife of Zeus?

- A. Aphrodite
- B. Athena
- C. Demeter
- D. Hera
- E. Hestia

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31 Scriptural Siblings

Which of the following biblical characters, the brother of Moses, acted as Moses's spokesman according to the Book of Exodus?

- A. Aaron
- B. Cain
- C. Joseph
- D. Noah
- E. Rahab

32 Tech Leaders

Since the death of Steve Jobs in 2011, who has served as the CEO of Apple Inc.?

- A. Elon Musk
- B. Jeff Bezos
- C. Larry Page
- D. Mark Zuckerberg
- E. Tim Cook

33 State Trees

The state tree of what state is a Redwood?

- A. California
- B. Idaho
- C. Nevada
- D. Oregon
- E. Washington

34 Lost

Which one of the following authors created the character Pi, who floats on a life raft for most of the novel?

- A. Franz Kafka
- B. Jonathan Safran Foer
- C. Joseph Conrad
- D. Sinclair Lewis
- E. Yann Martel

35 Engineering Programs

In the context of graphic applications that enable the engineering and virtual construction of objects and parts to be manufactured, what does CAD stand for?

- A. Computer Adaptive Design
- B. Computer Aided Design
- C. Computer Assembled Design
- D. Computer Assisted Design
- E. Computer Augmented Design

36 Political Poetry

What assassinated Roman emperor, according to William Shakespeare's poetic interpretation, said "Et tu, Brute?" to his former friend?

- A. Cato the Elder
- B. Julius Caesar
- C. Marc Antony
- D. Marcus Aurelius
- E. Vespasian

37 Plexus Nexus

Which of the following nerve plexuses is the origin of the three major nerves of the upper extremity: the radial, median and ulnar nerves?

- A. Brachial
- B. Cervical
- C. Cranial
- D. Lumbar
- E. Sacral

38 Exponents

What is the value of n in this equation?

$$3^n = (3^4)^{1/2}$$

- A. 1
- B. 2
- C. 4
- D. 6
- E. 8

39 Paradoxical Poetry

Despite Bon Jovi's being "halfway there" in their 1986 song "Livin' on a Prayer," they will never arrive at their destination, according to what Greek philosopher's famous paradox?

- A. Demosthenes
- B. Epictetus
- C. Heraclitus
- D. Socrates
- E. Zeno

40 Motion

Which of the following quantities is a scalar quantity?

- A. Acceleration
- B. Friction
- C. Speed
- D. Velocity
- E. Weight

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41 Odd One Out

Which of the following isn't a palindrome?

- A. Are we not drawn onward to new era?
- B. Did Hannah see bees? Hannah did.
- C. Eva, can I stab bats in a cave?
- D. Go deliver a dare, vile dog!
- E. Mr. Owl ate my meat worm.

46 Australian Animals

The coat of arms of Australia features two animals native to that continent: the red kangaroo and what second-largest bird on Earth?

- A. Dugong
- B. Emu
- C. Ostrich
- D. Pelican
- E. Spotted Quoll

42 Boys In Blue

Which of the following was a general in the Union army during the American Civil War?

- A. Nathan Bedford Forrest
- B. P.G.T. Beauregard
- C. Robert E Lee
- D. Thomas "Stonewall" Jackson
- E. Ulysses S Grant

47 Oldies But Goodies

Which of these Prime-Time Emmy Award-winning television shows was produced in the 1950s?

- A. *All In The Family*
- B. *Cheers*
- C. *I Love Lucy*
- D. *M*A*S*H*
- E. *Seinfeld*

43 Country Locations

Which of these is not a country in South America?

- A. Brazil
- B. Chile
- C. Colombia
- D. Guyana
- E. Nicaragua

48 On Cloud Nine

Which of the following cloud types are typically seen at the highest altitudes?

- A. Altostratus
- B. Cirrus
- C. Cumulus
- D. Nimbostratus
- E. Stratus

44 Pandemic Plant Problems

In March 2020, what French multinational automobile manufacturer announced it would be shutting down all of its factories in France due to the coronavirus pandemic?

- A. Daimler
- B. Fiat
- C. Nissan
- D. Porsche
- E. Renault

49 Weird Words

In the story of *The Lion, the Witch, and the Wardrobe*, which of these most closely defines the function of the "wardrobe"?

- A. Closet
- B. Clothing
- C. Kitchen Table
- D. Laundry Room
- E. Motor Car

45 Indian Deities

Which Indian god is portrayed with the body of a man but the head of an elephant?

- A. Brahma
- B. Devi
- C. Ganesh
- D. Shiva
- E. Vishnu

50 Weights

What is the molar mass of H_2SO_4 ? The approximate atomic masses of: hydrogen = 1 g/mol, Oxygen 16 g/mol, Sulfur 32 g/mol

- A. 49 g/mol
- B. 50g/mol
- C. 96 g/mol
- D. 97 g/mol
- E. 98 g/mol

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2020-2021 Middle School / Junior High Practice Written Tests**Written Round 1****Answer Key**

- | | |
|-------|-------|
| 1. E | 41. E |
| 2. A | 42. C |
| 3. E | 43. E |
| 4. E | 44. E |
| 5. E | 45. C |
| 6. D | 46. B |
| 7. E | 47. C |
| 8. D | 48. B |
| 9. C | 49. A |
| 10. B | 50. E |
| 11. E | |
| 12. B | |
| 13. C | |
| 14. A | |
| 15. A | |
| 16. C | |
| 17. D | |
| 18. C | |
| 19. E | |
| 20. C | |
| 21. E | |
| 22. A | |
| 23. B | |
| 24. E | |
| 25. E | |
| 26. D | |
| 27. D | |
| 28. B | |
| 29. A | |
| 30. D | |
| 31. A | |
| 32. E | |
| 33. A | |
| 34. E | |
| 35. B | |
| 36. B | |
| 37. A | |
| 38. B | |
| 39. E | |
| 40. C | |

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Written Round 2

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1 Lost in time

Located near the Bay of Naples, which city was buried under meters of ash and pumice after Mt Vesuvius erupted in 79 A.D.?

- A. Carthage
- B. Naples
- C. Pompeii
- D. Rome
- E. Venice

2 Twilight Stories

In the novel, *Twilight*, Bella falls in love with a vampire but is confused by her feeling for what other creature?

- A. Demon
- B. Fairy
- C. Merman
- D. Werewolf
- E. Zombie

3 Mean, Median, Mode

What is the mode of the following set of numbers?

1, 2, 3, 1, 8, 7, 1, 2, 2, 3, 2

- A. 1
- B. 2
- C. 3
- D. 6
- E. 7

4 Famous Phrases

From what George Orwell novel do the following phrases come? "War is peace. Freedom is slavery. Ignorance is strength."

- A. 1984
- B. *Animal Farm*
- C. *Brave New World*
- D. *Homage to Catalonia*
- E. *The Handmaid's Tale*

5 Flag Facts

How many red and white stripes are on the American flag?

- A. 12
- B. 13
- C. 15
- D. 21
- E. 50

6 Art Movements

What movement in art is exemplified by paintings such as Dali's *Persistence of Memory* and Rene Magritte's *Son of Man*?

- A. Abstract Expressionism
- B. Impressionism
- C. Post Impressionism
- D. Realism
- E. Surrealism

7 Signs of the Times

What gaseous element is contained in the bent, glowing, electrified glass tubes often used to spell out words in signs?

- A. Freon
- B. Hadron
- C. Helium
- D. Neon
- E. Xenon

8 War-Ending Weapons

On which Japanese city was the first atomic bomb dropped on August 6, 1945?

- A. Fukuyama
- B. Hiroshima
- C. Nagasaki
- D. Osaka
- E. Tokyo

9 Anatomical Relationships

In human anatomy, which of the following arteries is a branch of the aorta?

- A. Carotid artery
- B. Femoral vein
- C. Inferior vena cava
- D. Pulmonary artery
- E. Superior vena cava

10 Same-Sex Marriage

All of the following countries have legalized same-sex marriage except?

- A. Australia
- B. Costa Rica
- C. Germany
- D. Greece
- E. Taiwan

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11 Decimals

Which number has an 8 in the ten thousandths place?

- A. 0.11048
- B. 0.52820
- C. 0.59585
- D. 0.82755
- E. 0.98042

16 Remember the Alamo!

The Battle of the Alamo occurred during the war of independence of what future U.S. state?

- A. Colorado
- B. Delaware
- C. New Mexico
- D. Texas
- E. Utah

12 Rock Stars

Which of the following is the longest continental mountain range in the world?

- A. Alps
- B. Andes
- C. Himalayas
- D. Rockies
- E. Urals

17 Small Steps

Who was the first human being to step on the moon?

- A. Alan Shepherd
- B. Edwin "Buzz" Aldrin
- C. John Glenn
- D. Neil Armstrong
- E. Virgil "Gus" Grissom

13 Musical Terms

What Italian phrase meaning "in the church style" is used to describe vocal music performed without instrumental accompaniment?

- A. a capella
- B. a piacere
- C. alla breve
- D. doppio movimento
- E. in rilievo

18 Farming Terminology

The science of agriculture, specifically as it relates to industrial-scale farming and profit maximization, is called . . .

- A. Agronomy
- B. Biodynamic
- C. Dry Farming
- D. Monoculture
- E. Permaculture

14 Sailing in the Solar System

The Magellan Mission was a NASA program to map which planet?

- A. Earth
- B. Jupiter
- C. Mars
- D. Mercury
- E. Venus

19 Slope Comparison

Consider the following 2 equations:
 $3x-6y=4$ and $4x-2y=8$

How many times larger is the slope of the 2nd equation than the slope of the 1st?

- A. 2 times
- B. 3 times
- C. 4 times
- D. 5 times
- E. They're the same!

15 Mythical Allusions

Rick Riordan's book series featuring Percy Jackson is built upon allusions to the mythology of what ancient culture?

- A. Anasazi
- B. China
- C. Greece
- D. Maya
- E. Vikings

20 That's What YOU Think!

Which of the following statements is an OPINION instead of a fact?

- A. Tom Hanks is an Academy Award winner
- B. Tom Hanks is married with four children
- C. Tom Hanks is the greatest American actor
- D. Tom Hanks starred in *Forrest Gump*
- E. Tom Hanks was born in 1956

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21 Unusual Powers

Which character, created by Roald Dahl, is a five-and-a-half-year-old genius who discovers that she has the ability to move objects with her mind?

- A. Eloise
- B. Lucy
- C. Matilda
- D. Pippi Longstocking
- E. Ramona

22 Ancient Agricultural Practices

In ancient cultures, grain crops were processed by workers tossing the crop into the air for wind to blow away the unwanted chaff. What is this process called?

- A. Foraging
- B. Reaping
- C. Sowing
- D. Threshing
- E. Winnowing

23 In The Movies

What orange and white striped fish species, native to Australia's barrier reef, was made famous by the movie *Finding Nemo*?

- A. Blacktip Reef Shark
- B. Clownfish
- C. Common galaxias
- D. Sea Turtle
- E. Strawberry grouper

24 Silk Road Meet-Ups

The Venetian merchant and explorer Marco Polo met which of the following 13th century Mongol rulers during his travels to East Asia?

- A. Genghis Khan
- B. Hirohito
- C. Kim Jong Il
- D. Kublai Khan
- E. Shere Khan

25 No Questions Asked

What kind of management is the most top-down approach to management -- employees at the top of the hierarchy hold all the power, making decisions without collaborating or informing their subordinates.

- A. Autocratic
- B. Democratic
- C. Laissez-faire
- D. Transactional
- E. Visionary

26 Choo Choo!

The diesel-or electrically-powered vehicle that moves a modern train is known as the what?

- A. Ballast
- B. Bogie
- C. Caboose
- D. Carriage
- E. Locomotive

27 World Leaders

As of early 2020, who is the President of the Republic of Turkey?

- A. Hassan Rouhani
- B. Katrín Jakobsdóttir
- C. Narendra Modi
- D. Nikol Pashinyan
- E. Recep Tayyip Erdoğan

28 Poetic Devices

Which of the following lines from Emily Dickinson is the best illustration of a paradox?

- A. "Faith is a fine invention"
- B. "Hope is a thing with feathers"
- C. "I'm Nobody! Who are you?"
- D. "Much Madness is Divinest Sense"
- E. "Tell all the truth but tell it slant"

29 Volume

A cylindrical water tank has a height of 11 feet and a radius of 5 feet. To the nearest cubic foot, what is its volume?

- A. 1100
- B. 275
- C. 367
- D. 555
- E. 864

30 Executions

How were King Louis XVI and Marie-Antoinette were executed ?

- A. By firing squad
- B. By hanging
- C. By poison
- D. By the guillotine
- E. By the sword

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31 Memorable Memorials

What are the first words of Abraham Lincoln's famous Gettysburg Address?

- A. Ask not what your country can do for you...
- B. Four score and seven years ago...
- C. Our Father, which art in heaven...
- D. We the People of the United States...
- E. When in the course of human events...

32 Medical Specialties

Which medical specialty focuses solely on diseases of adults treatable with medications?

- A. Family Medicine
- B. General Surgery
- C. Internal Medicine
- D. Obstetrics
- E. Pediatrics

33 Western European Wizardry

What Western European country has a heavy draft horse breed, a sheepdog, a former colony now called Zaire, and a waffle all named for it?

- A. Belgium
- B. Denmark
- C. France
- D. Luxembourg
- E. Switzerland

34 A Renaissance Man

Which of these Renaissance artists was only a painter and an architect?

- A. Da Vinci
- B. Donatello
- C. Michaelangelo
- D. Raphael
- E. Rembrandt

35 Conversions

Convert 122 degrees Fahrenheit to Celsius.

- A. 130
- B. 50
- C. 60
- D. 85
- E. 95

36 Elemental Abbreviations

Which of the following is the Periodic Table of Elements symbol for gold?

- A. Ag
- B. Au
- C. Gd
- D. Go
- E. Hg

37 Scales

In Ancient Egyptian mummification practices, which organ was traditionally left inside the body instead of placed in canopic jars, due to the belief that it was the home of the soul and would be weighed in the afterlife?

- A. The heart
- B. The intestines
- C. The liver
- D. The lungs
- E. The stomach

38 Fractional Math

Perform the following operation and express the answer in lowest terms:

$$7/16 - 5/16$$

- A. $12/16$
- B. $1/16$
- C. $1/8$
- D. $2/16$
- E. $3/4$

39 American Literature

The Outsiders was published by S.E. Hinton in what decade?

- A. 1920's
- B. 1940's
- C. 1960's
- D. 1980's
- E. 1990's

40 I Saw The Signs

In American Sign Language, what alphabet letter looks like an "OK" sign - index and thumb in a ring, other fingers extended?

- A. F
- B. G
- C. H
- D. K
- E. L

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41 "No teacher but the enemy..."
Who wrote the popular science fiction novel *Ender's Game*?
A. Carl Sagan
B. Frank Herbert
C. H.G. Wells
D. Isaac Asimov
E. Orson Scott Card

46 Star Gazing
The Vatican Observatory operates an advanced telescope in what US state?
A. Alaska
B. Arizona
C. California
D. Florida
E. Massachusetts

42 Aquatic Animations
What animated character and his pet snail, Gary, live in Bikini Bottom?
A. Aquaman
B. Frankenweenie
C. Nemo
D. Sea Monkey
E. Spongebob Squarepants

47 Listen Up
What structure of the inner ear, arranged in a spiral of sound-sensing nerve cells, transforms vibratory energy into nerve impulses before sending them to the brain?
A. Cochlea
B. Malleus
C. Pinna
D. Semicircular canal
E. Tympanic membrane

43 Temporary Agreements
A famous nuclear deal was reached in 2015 with what country? President Donald Trump withdrew from this deal in May of 2018.
A. Egypt
B. France
C. Iran
D. Iraq
E. Lebanon

48 Recycling Codes
Which of the following recycling classifications (the number in the arrow triangle) is MOST likely to be accepted by recycling programs?
A. 2
B. 3
C. 4
D. 6
E. 7

44 Can't Be Trusted
In the United States, federal and state anti-trust laws designed to promote what key feature of a market economy?
A. Capital
B. Competition
C. Demand
D. Marketing
E. Supply

49 US Presidents
What US President, who also served as Supreme Allied Commander in World War II, went by the nickname "Ike"?
A. Eisenhower
B. Ford
C. Grant
D. Kennedy
E. Roosevelt

45 Scientific Notation
What is 7.63×10^7 in standard notation?
A. 0.763×10^8
B. 7,630,000,000
C. 76,300,000
D. 763×10^5
E. 763,000,000

50 Printer Math
If Betsy has 1000 pieces of paper, how many complete copies of a 36 page report can she print?
A. 20
B. 26
C. 27
D. 36
E. 37

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- | | |
|-------|-------|
| 1. C | 41. E |
| 2. D | 42. E |
| 3. B | 43. C |
| 4. A | 44. B |
| 5. B | 45. C |
| 6. E | 46. B |
| 7. D | 47. A |
| 8. B | 48. A |
| 9. A | 49. A |
| 10. D | 50. C |
| 11. C | |
| 12. B | |
| 13. A | |
| 14. E | |
| 15. C | |
| 16. D | |
| 17. D | |
| 18. A | |
| 19. C | |
| 20. C | |
| 21. C | |
| 22. E | |
| 23. B | |
| 24. D | |
| 25. A | |
| 26. E | |
| 27. E | |
| 28. D | |
| 29. E | |
| 30. D | |
| 31. B | |
| 32. C | |
| 33. A | |
| 34. D | |
| 35. B | |
| 36. B | |
| 37. A | |
| 38. C | |
| 39. C | |
| 40. A | |

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1 A Little Music

Who was the composer of a 1787 serenade for chamber ensemble, the title of which is often translated "A Little Night Music"?

- A. Johann Bach
- B. Johannes Brahms
- C. Joseph Haydn
- D. Pyotr Tchaikovsky
- E. Wolfgang Mozart

2 Mysterious Mutts

In one of Sir Arthur Conan Doyle's most famous novels, Holmes and Watson track down a mysteriously glowing canine of what particular type?

- A. Boxer
- B. Hound
- C. Poodle
- D. Retriever
- E. Terrier

3 Landmark Litigation

Which of the following Supreme Court cases found that racial segregation in public schools is unconstitutional, overturning the principle of "separate but equal" education?

- A. Brown v Board of Education
- B. Dred Scott v Sandford
- C. Marbury v Madison
- D. Plessy v Ferguson
- E. Roe v Wade

4 Bookish Math

A bookcase has 5 shelves. The top shelf has 10 books. Each shelf has 5 more books than the one above it. How many books are on the bottom shelf?

- A. 10
- B. 15
- C. 25
- D. 30
- E. 5

5 Printer Math

Alex loads a ream of 1000 pieces of paper and prints as many complete copies of a 48-page report as he can. How many pieces of paper are left over?

- A. 2
- B. 20
- C. 40
- D. 8
- E. 80

6 Old Time Religion

The branch of the Christian church predominant in Eastern Europe, Eastern Africa, and Russia, from which the Roman Catholic Church separated in AD 1054, is typically known as what kind of Christianity?

- A. Evangelical
- B. Latter-Day Saints
- C. Mennonite
- D. Orthodox
- E. Protestant

7 New York City Boroughs

While Queens is located in Queens County, its adjacent borough of Brooklyn is located in what other county?

- A. Bronx
- B. Kings
- C. Manhattan
- D. New York
- E. Richmond

8 Eradicated Disease

What disease has been eradicated world wide through effective vaccinations?

- A. Diphtheria
- B. Influenza
- C. Measles
- D. Smallpox
- E. Tetanus

9 Tuning In

In radio terminology, where AM stands for amplitude modulation, FM stands for what modulation?

- A. Fahrenheit
- B. Fission
- C. Force
- D. Frequency
- E. Friction

10 Making Change

Without digging through your pockets, which American coin bears the face of Thomas Jefferson?

- A. Dime
- B. Half dollar
- C. Nickel
- D. Penny
- E. Quarter dollar

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11 The Beat Generation

Which of the following was NOT a member of the Beat Writers?

- A. Alan Ginsberg
- B. Ernest Hemingway
- C. Jack Kerouac
- D. Ken Kesey
- E. William S. Burroughs

16 Weather or Not

What weather phenomenon is described as cloud-to-cloud, cloud-to-ground, dry, heat, or ball types?

- A. Hail
- B. Hurricanes
- C. Lightning
- D. Rain
- E. Tornadoes

12 Field Leaders

B.F Skinner, Jean Piaget, and Erik Erikson are associated with what field?

- A. Biology
- B. Physics
- C. Psychology
- D. Religion
- E. Sociology

17 German Vocabulary

What is the German word for dancing?

- A. Fahren
- B. Nähen
- C. Schreiben
- D. Springen
- E. Tanzen

13 Basic Scales

What number from the pH scale would you assign to an extremely alkaline substance?

- A. 0
- B. 14
- C. 3
- D. 7
- E. 8

18 Sudden Reversals

Declining oil revenue and poor governance have led to the collapse of the economy of what formerly middle income nation, leading to inflation rates of 10,000%, over 90% of the population to suffer food insecurity, and a refugee crisis as residents flee?

- A. Brazil
- B. Colombia
- C. Ecuador
- D. Peru
- E. Venezuela

14 Colors

Russet is a shade of what color?

- A. Blue
- B. Brown
- C. Green
- D. Red
- E. Yellow

15 Slivers of Seconds

Anne ran her race in 43.98 seconds. Stephanie was one tenth of a second faster. How long did it take Stephanie to run the race?

- A. 43.08
- B. 43.88
- C. 44.08
- D. 44.99
- E. 44.99

19 Gargantuan Gymnosperms

Redwoods, the giant sequoia, the Douglas fir, cedars, and bristlecone pines all belong to what incredibly diverse division of tree life?

- A. Angiosperms
- B. Conifers
- C. Cycads
- D. Ginkgoes
- E. Tree ferns

20 American Revolution

Which legislation imposed by the British in 1774 suspended the Massachusetts legislature and closed the port of Boston?

- A. Intolerable Acts
- B. Quartering Act
- C. Stamp Act
- D. Test and Corporation Acts
- E. Townshend Duties

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21 Your One Shot

Lin-Manuel Miranda composed what popular musical based on a biography by Ron Chernow?

- A. 1776
- B. *Hamilton*
- C. *Jesus Christ Superstar*
- D. *West Side Story*
- E. *Wicked*

22 Amazing Finds

What was the name of the murdered boy king whose tomb was raided by Howard Carter?

- A. Akhenaton
- B. Hatshepsut
- C. Khufu
- D. Ramses II
- E. Tutankhamun

23 Autobiographical Authors

Who authored a semi-autobiographical novel, published in 1868, following the family life of the four March sisters?

- A. Charlotte Bronte
- B. Jane Austen
- C. Louisa May Alcott
- D. Mary Shelley
- E. Virginia Woolf

24 Important Writings

Who wrote *The Souls of Black Folk*?

- A. Booker T. Washington
- B. Ida B. Wells
- C. Langston Hughes
- D. Marcus Garvey
- E. W. E. B. Du Bois

25 Key Corpuscles

What component of the blood of mammals carries oxygen to the tissues?

- A. Antibodies
- B. Plasma
- C. Platelets
- D. Red cells
- E. White cells

26 Probabilities

You are at a party, and there is a fruit bowl on the table. The fruit bowl contains 20 blueberries, 10 raspberries, 14 strawberries, and 6 blackberries. What are the chances you get a blackberry if you stick a fork in and spear a fruit at random?

- A. 1/5
- B. 2/5
- C. 3/25
- D. 7/25
- E. 9/25

27 Constitutional Obligations

According to the US constitution, how often must the census be carried out? Every...

- A. 10 years
- B. 2 years
- C. 20 years
- D. 5 years
- E. 8 years

28 Rounding Decimals

What is 0.832846 rounded to the nearest ten thousandth

- A. 0.8325
- B. 0.8328
- C. 0.83285
- D. 0.8329
- E. 0.833

29 Interwebbers

What Swedish internet star, born Felix Arvid Ulf Kjellberg [SHEL-berg], had the most subscribed YouTube channel from 2013-2019?

- A. DanTDM
- B. JackSepticEye
- C. Markiplier
- D. PewDiePie
- E. Smosh

30 Women in Science

Which of the following scientists conducted pioneering research in radioactivity?

- A. Ada Lovelace
- B. Alice Ball
- C. Marie Curie
- D. Rachel Carson
- E. Rosalind Franklin

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31 Word Problems

Bob spent \$16 on a juice. This was \$6 more than twice what he spent on a hamburger. How much did the hamburger cost?

- A. \$12
- B. \$16
- C. \$20
- D. \$5
- E. \$6

32 Literary Allusions

In *Brave New World*, John only had access to works by what author when he was living in the Savage Reservation, causing him to quote from this author throughout the novel?

- A. Charles Dickens
- B. George Orwell
- C. Leo Tolstoy
- D. Marcel Proust
- E. William Shakespeare

33 It Slices, It Dices!

The flat, cutting teeth at the front part of the mouth in humans are known as what kind of teeth?

- A. Bicuspid
- B. Canines
- C. Incisors
- D. Molars
- E. Wisdom teeth

34 Juvenile Animals

A joey is a baby version of what Australian animal?

- A. Dingo
- B. Echidna
- C. Emu
- D. Kangaroo
- E. Platypus

35 Economic History

In what year did the Great Depression begin?

- A. 1919
- B. 1929
- C. 1932
- D. 1945
- E. 1976

36 Movie Lines

What astronaut was Tom Hanks portraying when, in 1995's *Apollo 13*, he spoke the line: "Houston, we have a problem"?

- A. Alan Shepherd
- B. Gordon Cooper
- C. Jim Lovell
- D. John Glenn
- E. Wally Schirra

37 Gospel Stories

In Luke chapter 19, a rich but short tax collector climbs a sycamore tree to see Jesus because he was unable to see over the crowds. What was this tax collector's name?

- A. Lazarus
- B. Nebuchadnezzar
- C. Nicodemus
- D. Saul
- E. Zacchaeus

38 Square Miles

Order the following countries/territories from smallest to largest with respect to total area: Guyana, French Guiana, Suriname

- A. French Guiana, Guyana, Suriname
- B. French Guiana, Suriname, Guyana
- C. Guyana, French Guiana, Suriname
- D. Suriname, French Guiana, Guyana
- E. Suriname, Guyana, French Guiana

39 Bringing the Cosmos into View

What space telescope did NASA launch in 1990 to help scientists learn more about our universe?

- A. Chandra
- B. Hubble
- C. James Webb
- D. Spitzer
- E. TESS

40 Tricksters

In Native American mythology, all of the following have featured in folklore as tricksters EXCEPT

- A. The Coyote
- B. The Mink
- C. The Rabbit
- D. The Raven
- E. The Thunderbird

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41 Foundations for Modern Computing

Microsoft's early computer navigation software was known as what?

- A. 86-DOS
- B. ANDROID
- C. FORTRAN
- D. MS-DOS
- E. PC-DOS

46 Gaseous Glows

What inert gas was described by its discoverer the following way: "the blaze of crimson light from the tube...was a sight to dwell upon and never forget"?

- A. Helium
- B. Hydrogen
- C. Neon
- D. Radon
- E. Xenon

42 Introductory Algebra

Which value makes the following equation true?

$$4x + 16 = 36$$

- A. $x = 13$
- B. $x = 16$
- C. $x = 20$
- D. $x = 4$
- E. $x = 5$

47 Big Names

Which of the following is the CEO of the American multinational technology company Amazon?

- A. Elon Musk
- B. Jeff Bezos
- C. Mark Zuckerberg
- D. Reed Hastings
- E. Satya Nadella

43 Who Nose?

What Egyptian mythical creature, commemorated by a limestone statue at Giza, has the head of a man and the body of a lion?

- A. Anubis
- B. Horus
- C. Isis
- D. Medusa
- E. Sphinx

48 Memorable Pleas

Oliver's memorable line, "Please, sir, I want some more," was uttered in which of the following locations?

- A. A church
- B. A coal mine
- C. A homeless shelter
- D. A hospital
- E. A workhouse

44 Micro-Edibles

Bacteria that use CO_2 (carbon dioxide) as their major source of carbon for metabolism are called what?

- A. Autotrophs
- B. Dioxotrophs
- C. Heterotrophs
- D. Lithotrophs
- E. Phototrophs

49 Drift Away

The supercontinent that existed during the late Paleozoic era, before breaking up into our current geographic arrangement, was known as what?

- A. Gaia
- B. Middle Earth
- C. Omnicontinent
- D. Pangea
- E. Pangeologia

45 Literary Song Lyrics

In his song, "Everything," Michael Bublé notes: "You're a fallen star / You're the getaway car / You're the line in the sand / When I go too far." These lines illustrate what repeated literary device?

- A. Irony
- B. Metaphor
- C. Onomatopoeia
- D. Personification
- E. Simile

50 Hawaii

Which of the Hawaiian islands was home to a famous leper colony until 1969?

- A. Hawaii
- B. Lanai
- C. Maui
- D. Molokai
- E. Oahu

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- | | |
|-------|-------|
| 1. E | 41. D |
| 2. B | 42. D |
| 3. A | 43. E |
| 4. D | 44. A |
| 5. C | 45. B |
| 6. D | 46. C |
| 7. B | 47. B |
| 8. D | 48. E |
| 9. D | 49. D |
| 10. C | 50. D |
| 11. B | |
| 12. C | |
| 13. B | |
| 14. B | |
| 15. C | |
| 16. C | |
| 17. E | |
| 18. E | |
| 19. B | |
| 20. A | |
| 21. B | |
| 22. E | |
| 23. C | |
| 24. E | |
| 25. D | |
| 26. C | |
| 27. A | |
| 28. B | |
| 29. D | |
| 30. C | |
| 31. D | |
| 32. E | |
| 33. C | |
| 34. D | |
| 35. B | |
| 36. C | |
| 37. E | |
| 38. B | |
| 39. B | |
| 40. E | |

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1 Bill of Rights

Which of the following is NOT a right protected by the 1st amendment?

- A. Freedom of Religion
- B. Freedom of Speech
- C. Freedom of the Press
- D. Right of Assembly
- E. Right to Bear Arms

6 Spheres

A sphere has a radius of 3 inches. What is its volume in cubic inches?

- A. 108π
- B. 27π
- C. 36π
- D. 81π
- E. 90π

2 Direct Marketing

Direct Marketing requires a(n) _____ when it comes to the message. The key is directing the consumer rather than waiting for them to find your product or company.

- A. Answer or Solution
- B. Call to Action
- C. Information Center
- D. Larger Goal
- E. Plea for Consideration

7 Latin Lingo

In liturgical church music, the Agnus Dei is traditional prayer. What is the closest translation of this Latin phrase?

- A. Glory to God
- B. Lamb of God
- C. Lord, Have Mercy
- D. Mother of God
- E. Praise to God

3 Big Events

What city with a population of 37 million had to reschedule the 2020 Summer Olympic Games for 2021?

- A. Abu Dhabi
- B. Berlin
- C. Chicago
- D. London
- E. Tokyo

8 School Pride

In the *Harry Potter* series by J.K. Rowling, all of the following are houses in Hogwarts EXCEPT:

- A. Durmstrang
- B. Gryffindor
- C. Hufflepuff
- D. Ravenclaw
- E. Slitherin

4 Weather Forecasting

What type of front marks their boundary together when two contrasting air masses are moving with a similar lateral motion with respect to each other?

- A. Cold Front
- B. Occluded Front
- C. Reverse Front
- D. Stationary Front
- E. Warm Front

9 Taking a Stand

What political and moral position did Thomas Clarkson, William Wilberforce, William Lloyd Garrison, Harriet Beecher Stowe, and John Brown share?

- A. Abolitionism
- B. Communism
- C. Federalism
- D. Originalism
- E. Republicanism

5 Preventive Pictures

The first X-ray-based diagnostic test most women get to screen for breast cancer is called a what?

- A. CAT scan
- B. Electrocardiogram
- C. MRI
- D. Mammogram
- E. PET scan

10 Market Conditions

What term is used in economics for situations in which there is a single seller of a commodity in a particular market?

- A. Duopoly
- B. Inelasticity
- C. Monopoly
- D. Oligopoly
- E. Perfect Competition

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11 Common Sculptural Materials

If you see an ancient bronze sculpture of Apollo, what ancient culture likely sculpted it?

- A. Chinese
- B. Egyptian
- C. Greek
- D. Roman
- E. Turkish

16 Numerical Nomenclature

What kinds of numbers are these? 2, 3, 5, 7, 11, 13, 17...

- A. Cubes
- B. Even
- C. Odd
- D. Prime
- E. Square roots

12 Mexican Traditions

Cinco de Mayo celebrates the Mexican army's 1862 victory against whom in the Battle of Puebla?

- A. France
- B. Spain
- C. Texas
- D. The Mayans
- E. The United States

17 Engine-eering

What component of an internal combustion engine is responsible for mixing air and fuel in the proper ratio?

- A. Camshaft
- B. Carburetor
- C. Crankshaft
- D. Exhaust valve
- E. Piston

13 Quadratics

What are the solutions to the equation $x^2 + 9x + 18 = 0$?

- A. -3 and 3
- B. -3 and 6
- C. -6 and -3
- D. -6 and 3
- E. 3 and 6

18 Standing Out

Florida, Italy, and Baja California are examples of what kind of landform?

- A. Archipelago
- B. Continent
- C. Isthmus
- D. Mountain Range
- E. Peninsula

14 Biologic Make Up

Which of the following is not one of the "big four" elements that comprise the majority of the human body?

- A. Calcium
- B. Carbon
- C. Hydrogen
- D. Nitrogen
- E. Oxygen

15 Aircraft Accidents

Journalist Herbert Morrison was reporting in May 1937 on what aircraft-related tragedy when he made radio history by saying "Oh, the humanity!"

- A. American Airlines Flight 191 crash
- B. Hindenburg Zeppelin Explosion
- C. Pan Am Flight 103 Crash
- D. Tenerife Airport Disaster
- E. Wright Model A Aircraft Crash

19 Can You Hear Me Now?

In the song, "The Sound of Silence," by Simon and Garfunkel, they sing about "People talking without speaking" and "People hearing without listening." These lines are examples of what literary device?

- A. Allusion
- B. Metonymy
- C. Paradox
- D. Simile
- E. Zeugma

20 Friendly Giants

In the book *The BFG*, what does the BFG blow into children's windows at night?

- A. Ambition
- B. Good dreams
- C. Good luck
- D. Memories of the past
- E. Visions of the future

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21 Rank the United States

The United States ranks where among the world's largest advertising markets.

- A. Fifth
- B. First
- C. Fourth
- D. Second
- E. Tenth

22 Nobel Laureates

This 1962 Nobel Laureate created the Joad family in a novel that follows a poor family's journey through the injustices of migrant farming during the Dust Bowl and Great Depression.

- A. Ernest Hemingway
- B. F. Scott Fitzgerald
- C. John Steinbeck
- D. Stephen Crane
- E. William Faulkner

23 Mean, Median, Mode

What is the mean of the following data set? 7, 6, 9, 13, 2, 6, 9, 4

- A. 6
- B. 6.5
- C. 7
- D. 7.5
- E. 9

24 Metric Prefixes

What metric prefix is 1 million times smaller than the SI base unit?

- A. kilo
- B. mega
- C. micro
- D. milli
- E. nano

25 Big numbers

In mid-2020, the US national debt was approximately...

- A. \$2,600,000,000
- B. \$2,600,000,000,000,000
- C. \$26,000,000,000,000
- D. \$260,000,000
- E. \$260,000,000,000

26 Little by Little

Miohippus for modern horses, Pakicetus for modern whales, and Archeopteryx for modern birds are all examples of what important evidence for biological evolution?

- A. Genetic mimicry
- B. Homologous structures
- C. Phylogenic recapitulation
- D. Predatory adaptation
- E. Transitional forms

27 Ancient Cities

What ancient city and erstwhile capital of Egypt was the site where Cleopatra courted Julius Caesar?

- A. Alexandria
- B. Aswan
- C. Cairo
- D. Giza
- E. Luxor

28 Founding Fathers

What man, a native of Ur in Mesopotamia, is considered the father of the three great monotheistic religions of Judaism, Christianity, and Islam?

- A. Abraham
- B. Isaac
- C. Ishmael
- D. Jacob
- E. Joseph

29 Quotable Quotes

Finish the following quotation from Shakespeare's *The Merchant of Venice*: "If you prick us, do we not _____?"

- A. Bleed
- B. Faint
- C. Jump
- D. Leak
- E. Scream

30 Inequalities

Which represents the value of a in $a + 12 \geq 100$?

- A. $a > 88$
- B. $a < 88$
- C. $a = 88$
- D. $a \leq 88$
- E. $a \geq 88$

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31 Signal Strength

Which of the following body systems is tasked with controlling various tissues by way of secreting or circulating hormones and other chemical messengers?

- A. Digestive
- B. Endocrine
- C. Integumentary
- D. Reproductive
- E. Skeletal

32 Moon Marvels

What lunar event occurs when a full moon coincides with the nearest lunar distance to Earth?

- A. Blood moon
- B. Blue moon
- C. Lunar eclipse
- D. Solar eclipse
- E. Supermoon

33 Colors

Azure is a shade of what color?

- A. Blue
- B. Brown
- C. Green
- D. Red
- E. Yellow

34 Movie Math

A movie theatre charges a one time convenience fee plus the price of the tickets to pre-purchase tickets to a special showing of *Infinity War*. The equation $t = 18n + 8$ represents the total amount a purchaser will pay. What does 18 represent?

- A. The amount of the service fee, in dollars
- B. The number of tickets purchased
- C. The price of one ticket, in dollars
- D. The total amount paid for purchasing 8 tickets
- E. The total amount paid to purchase one ticket

35 Animal Companions

All of the following books feature dogs as a major character EXCEPT

- A. *Old Yeller*
- B. *Shiloh*
- C. *Souder*
- D. *The Yearling*
- E. *Where the Red Fern Grows*

36 Biblical Numbers

What number, in biblical tradition, reflects both the tribes of Israel and the disciples of Jesus?

- A. 10
- B. 12
- C. 144
- D. 666
- E. 7

37 War and Literature

All Quiet on The Western Front takes place in what war?

- A. Crimean War
- B. Vietnam War
- C. Wars of the Roses
- D. World War I
- E. World War II

38 Stan the Man

Which of the following "Stan"s was never officially part of the Soviet Union?

- A. Afghanistan
- B. Kazakhstan
- C. Tajikistan
- D. Turkmenistan
- E. Uzbekistan

39 Making Your Mark

Whose large first signature on the U.S. Constitution has become synonymous with signing one's name to a document?

- A. Benjamin Franklin
- B. George Washington
- C. John Hancock
- D. Patrick Henry
- E. Thomas Jefferson

40 Trees

Which of the following is a main characteristic of Conifers?

- A. Cone bearing seeds
- B. Cup like nuts
- C. Helicopter seeds
- D. Seeds attached to cotton like strands
- E. Stone Fruit

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41 Measurements

What are the lengths of the sides of a triangle with a perimeter measuring 70 meters, with two sides measuring x meters long and the third side measuring $x+10$ meters long?

- A. 10 m, 10m, 50 m
- B. 10 m, 20m, 40 m
- C. 20 m, 20m, 20 m
- D. 20 m, 20m, 30 m
- E. 30m, 30m, 20m

42 US States

Which of the following states is has the largest land area?

- A. Alaska
- B. California
- C. Minnesota
- D. Montana
- E. Texas

43 Famous Metaphors

According to Emily Dickinson, what is a "thing with feathers"?

- A. A dream
- B. Faith
- C. Happiness
- D. Hope
- E. Love

44 Unique Habitats

The platypus, laughing kookaburra, and southern cassowary are examples of animals found only on what island?

- A. Australia
- B. Bali
- C. Hawaii
- D. Madagascar
- E. Sicily

45 Rock Throwing Math

Heidi threw a rock 58 and $1/2$ inches. Magda threw a rock 60 and $1/4$ inches. How much further did Magda's rock go?

- A. 1.25 inches
- B. 1.75 inches
- C. 2.25 inches
- D. 2.5 inches
- E. 2.75 inches

46 Fractional Compromises

In a compromise agreed on during the US Constitutional Convention, enslaved persons would count as what fraction of a person on official census tallies?

- A. $1/2$
- B. $1/3$
- C. $1/4$
- D. $2/5$
- E. $3/5$

47 French Flammables

What historic Paris landmark, dating from the 13th century, caught fire on April 15, 2019, and burned for 15 hours?

- A. Arc de Triomphe
- B. Musée D'orsay
- C. Notre Dame Cathedral
- D. The Eiffel Tower
- E. The Louvre Museum

48 Bright Ideas

What kind of light source is described by the following: An electric current excites mercury vapor, which emits ultraviolet light which then makes the phosphor coating inside the bulb glow.

- A. Fluorescent
- B. Halogen
- C. Incandescent
- D. Light-emitting diode (LED)
- E. Neon

49 Punitive Postings

What 1998 young adult novel takes place at Camp Green Lake, Texas, where the protagonist, Stanley Yelnats, is sent after being falsely accused of theft?

- A. *Divergent*
- B. *Holes*
- C. *The Book Thief*
- D. *The Fault in Our Stars*
- E. *The Hate U Give*

50 Catch a Wave

Which of the following is the LOWEST ENERGY wavelength of light?

- A. Blue
- B. Infrared
- C. Red
- D. Ultraviolet
- E. Yellow

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2020-2021 Middle School / Junior High Practice Written Tests**Written Round 4****Answer Key**

- | | |
|-------|-------|
| 1. E | 41. D |
| 2. B | 42. A |
| 3. E | 43. D |
| 4. D | 44. A |
| 5. D | 45. B |
| 6. C | 46. E |
| 7. B | 47. C |
| 8. A | 48. A |
| 9. A | 49. B |
| 10. C | 50. B |
| 11. C | |
| 12. A | |
| 13. C | |
| 14. A | |
| 15. B | |
| 16. D | |
| 17. B | |
| 18. E | |
| 19. C | |
| 20. B | |
| 21. B | |
| 22. C | |
| 23. C | |
| 24. C | |
| 25. C | |
| 26. E | |
| 27. A | |
| 28. A | |
| 29. A | |
| 30. E | |
| 31. B | |
| 32. E | |
| 33. A | |
| 34. C | |
| 35. D | |
| 36. B | |
| 37. D | |
| 38. A | |
| 39. C | |
| 40. A | |

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1 19th Century Novelists

Which of these novels was NOT written by Jane Austen?

- A. *Emma*
- B. *Mansfield Park*
- C. *North and South*
- D. *Pride and Prejudice*
- E. *Sense and Sensibility*

6 Great Starts

Which of the following American historical documents begins with the words "We the People..."?

- A. Articles of Confederation
- B. Declaration of Independence
- C. Federalist Papers
- D. Gettysburg Address
- E. The Constitution

2 Not What You Think It Means

In strict botanical terms, what category do bananas, tomatoes, avocados, and blueberries, but not raspberries, belong to?

- A. Berries
- B. Drupes
- C. Melons
- D. Pomes
- E. Stone fruit

7 Bowling

If playing ten-pin bowling, what would be considered a perfect score?

- A. 100
- B. 150
- C. 200
- D. 300
- E. 500

3 Go Big or Go Home

What is the second-largest country in Asia and in the world, measured by land area?

- A. Australia
- B. China
- C. India
- D. Japan
- E. Mongolia

8 Metal Mixtures

The alloy of iron and carbon is commonly known as what?

- A. Brass
- B. Bronze
- C. Copper
- D. Platinum
- E. Steel

4 Horse Math

15 horses were weighed and the mean, median, mode, range, and standard deviation for the data were found. The horse with the lowest reported weight was found to actually weigh 10 lbs less than initially reported. Which value remains unchanged?

- A. mean
- B. median
- C. mode
- D. range
- E. standard deviation

9 Measurements

What is the width of a box with a volume of 750 cubic feet, length of 15 feet, and height of 5 feet?

- A. 10 feet
- B. 2 feet
- C. 3 feet
- D. 5 feet
- E. 50 feet

5 Modern Catastrophes

More than 210 people were killed in August 2020 when a substantial amount of ammonium nitrate exploded in which Middle East capital city?

- A. Amman
- B. Baghdad
- C. Beirut
- D. Damascus
- E. Jerusalem

10 Big Splits

Most historians consider the Great Schism between the Roman Catholic Church and the Eastern Orthodox Church to have occurred in what year?

- A. 1053
- B. 1492
- C. 1517
- D. 1666
- E. 354

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11 Famous Vessels

Which explorer famously set sail with ships named the Pinta, the Niña, and the Santa Maria?

- A. Christopher Columbus
- B. John Cabot
- C. Marco Polo
- D. Ponce de Leon
- E. Vasco da Gama

12 Famous Autobiographies

Michelle Obama released her autobiography late in 2018. What was it called?

- A. *Becoming First Lady*
- B. *Becoming*
- C. *How It Happened*
- D. *Life with Barak*
- E. *What I Became*

13 Women in Astrophysics

Susan Jocelyn Bell Burnell is an astrophysicist known for her discovery of what kind of rapidly-rotating, highly magnetized, extremely dense star?

- A. Blue giant
- B. Brown dwarf
- C. Pulsar
- D. Red giant
- E. White dwarf

14 Public Health Progress

Which of the following is a viral disease that was, as of 1980, successfully eradicated worldwide by vaccination programs?

- A. Chickenpox
- B. Diphtheria
- C. Measles
- D. Mumps
- E. Smallpox

15 Lines

Find the equation, in point-slope form, for the line that passes through the points (3,6) and (5,12).

- A. $y-12=3(x-6)$
- B. $y-3=(1/3)(x-6)$
- C. $y-3=3(x-6)$
- D. $y-5=3(x-12)$
- E. $y-6=3(x-3)$

16 Simplicity

The principle that the simplest explanation is the most likely to be true is known as Occam's...

- A. Brush
- B. Knife
- C. Principle
- D. Razor
- E. Shovel

17 Dystopian Adaptations

What 1985 novel by Margaret Atwood was adapted into a 2017 web television series starring Elisabeth Moss?

- A. *Giver*
- B. *Oryx and Crake*
- C. *Station Eleven*
- D. *The Handmaid's Tale*
- E. *The Road*

18 Words About Weather

Cumulus, stratus, and cirrus are classifications of what kind of meteorological phenomenon?

- A. Clouds
- B. Hurricanes
- C. Lightning
- D. Snowflakes
- E. Wind

19 Colors

Mauve was the first artificial dye. It is a shade of what color?

- A. Blue
- B. Brown
- C. Green
- D. Purple
- E. Red

20 Fires

Reportedly destroyed in a fire and mysteriously remaining lost to date, there has been no definite archaeological evidence of which famous library of the ancient world?

- A. Great Library at Alexandria
- B. Imperial Library of Constantinople
- C. Library of Ashurbanipal
- D. Library of Celsus
- E. Villa of the Papyri

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21 Poisonous Plants

Socrates was sentenced to death by drinking poison made from what plant?

- A. Foxglove
- B. Hemlock
- C. Nightshade
- D. Oleander
- E. Tobacco

26 Popsicle Math

If an ice cream truck sells popsicles in this order: orange, lemon, cherry, grape, strawberry, what flavor will be the 107th popsicle be?

- A. Cherry
- B. Grape
- C. Lemon
- D. Orange
- E. Strawberry

22 Not Easy Being Green

What 5th century saint, commemorated on his feast day of March 17, is known for the conversion of Ireland to Christianity and founding the monastic tradition on that island?

- A. Saint Anthony
- B. Saint Benedict
- C. Saint Francis
- D. Saint Patrick
- E. Saint Paul

27 Finding New Homes

Refugees fleeing war in what country in 2016 and 2017 numbered nearly 7 million?

- A. Iran
- B. Jordan
- C. Kenya
- D. Pakistan
- E. Syria

23 That's Relative

According to Einstein, energy is equal to mass multiplied by the square of what universal constant?

- A. Gravitational constant
- B. Neutrino mass
- C. Planck constant
- D. Rate of inflation
- E. Speed of light

28 Architectural Highlights

The Parthenon, an ancient temple structure that is a key example of Doric architecture, is located in what Greek city?

- A. Athens
- B. Corinth
- C. Rhodes
- D. Sparta
- E. Thessaloniki

24 Important philosophers

All of the following were Transcendentalists EXCEPT

- A. Henry David Thoreau
- B. Henry James
- C. Immanuel Kant
- D. Ralph Waldo Emerson
- E. Walt Whitman

29 Periodic Table

Atomic radius increases going which direction on the periodic table?

- A. Going down
- B. Going down and to the right
- C. Going to the right
- D. Going up
- E. None of the above

25 Election Years

In which of the following years was a US presidential election held?

- A. 1979
- B. 1980
- C. 1981
- D. 1982
- E. 1983

30 Gut Feelings

Over-the-counter medicines like Prilosec, Pepcid, and Tums are used to treat what common digestive problem?

- A. Acid reflux
- B. Constipation
- C. Diarrhea
- D. Hemorrhoids
- E. Stomach cancer

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31 Poetic Descriptions

What creature is described by William Blake as having "fearful symmetry"?

- A. The Bear
- B. The Chimney Sweep
- C. The Lamb
- D. The Lion
- E. The Tiger

36 Scientific Notation

The thinnest human hairs are .00007 meters wide. Express this in scientific notation.

- A. 7×10^{-5}
- B. 7×10^{-6}
- C. 7×10^{-7}
- D. 7×10^5
- E. 7×10^6

32 What's In YOUR Wallet?

Which of the following animals is an example of a marsupial?

- A. African Elephants
- B. Foxes
- C. Giraffes
- D. Humans
- E. Koalas

37 Parks and Rec

"The Mighty Five" are national parks in what U.S. State?

- A. Alaska
- B. California
- C. Colorado
- D. Florida
- E. Utah

33 Classical Names

Which classical composer's middle name was Amadeus?

- A. Bach
- B. Beethoven
- C. Mendelssohn
- D. Mozart
- E. Tchaikovsky

38 Spanish Slang

If you're thinking of getting into some mischief, a Spanish-speaking friend may say "¡Ojo!" What is the closest English version of this slang warning?

- A. Back up
- B. Heads up
- C. Listen here
- D. Shut your mouth
- E. Watch yourself

34 Which one is right?

Which of the following sets of side lengths will produce a right triangle?

- A. 1, 2, 3
- B. 2, 3, 4
- C. 3, 4, 5
- D. 4, 5, 6
- E. 5, 6, 7

39 Immortal Characters

In the book, *Tuck Everlasting*, what grants everlasting life to the Tuck family?

- A. A book of magic
- B. A ring of power
- C. A spring of water
- D. A time machine
- E. An ancient curse

35 Fateful Dates

What U.S. President was assassinated on November 22, 1963?

- A. Abraham Lincoln
- B. Gerald R. Ford
- C. James Garfield
- D. John F. Kennedy
- E. Ronald Reagan

40 Love Connections

What Egyptian ruler was the wife of Roman general Marc Antony?

- A. Cleopatra
- B. Hatshepsut
- C. Karen
- D. Nefertiti
- E. Thutmose

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41 Flashy Memorials

What emotive memorial, designed by Maya Lin, resembles a marble scar on the Washington Mall and is a marble list of dead soldiers?

- A. Civil War Memorial
- B. French and Indian War Memorial
- C. Korean War Memorial
- D. Vietnam Veterans Memorial
- E. World War II War Memorial

46 Seas

What sea drains out through the Bosphorus strait?

- A. Aral Sea
- B. Black Sea
- C. Caspian Sea
- D. Mediterranean Sea
- E. Red Sea

42 Run Man Run

The first Modern Olympics took place in what Country in 1896?

- A. England
- B. France
- C. Germany
- D. Greece
- E. Italy

47 It's Hammer Time!

The hammer most often used in metalworking, with one round head and one flat head, is called what kind of hammer?

- A. Ball peen
- B. Claw
- C. Framing
- D. Geologist
- E. Sledge

43 Light to Food

Within what organelles do plants and algae perform photosynthesis?

- A. Chlorophylls
- B. Chloroplasts
- C. Mitochondria
- D. Peroxisomes
- E. Plastids

48 Trilogy Topics

Which of the following was NOT a faction in the 2011 *Divergent* trilogy?

- A. Abnegation
- B. Amity
- C. Dauntless
- D. Erudite
- E. Honest

44 Tech Titans

What American computer company was founded in 1976 by Steve Jobs, Steve Wozniak, and Ronald Wayne?

- A. Apple
- B. Java
- C. Microsoft
- D. Nintendo
- E. Samsung

49 Metric Conversions

The thickest human hairs are 180 micrometers in diameter. Express this in terms of meters

- A. 0.000018
- B. 0.00018
- C. 0.0018
- D. 0.018
- E. 0.18

45 Children's Poetry

What poet wrote the following poems?
"Where the Sidewalk Ends"

The Giving Tree

"Falling Up"

- A. Emily Dickinson
- B. Marilyn Singer
- C. Ogden Nash
- D. Robert Frost
- E. Shel Silverstein

50 Non-Profit Nomenclature

Which of the following Internal Revenue Service designations signifies a tax-exempt, non-profit organization?

- A. 1065
- B. 501(c)
- C. 501(c)(3)
- D. 503(c)(1)
- E. 505(a)

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2020-2021 Middle School / Junior High Practice Written Tests**Written Round 5****Answer Key**

- | | |
|-------|-------|
| 1. C | 41. D |
| 2. A | 42. D |
| 3. B | 43. B |
| 4. B | 44. A |
| 5. C | 45. E |
| 6. E | 46. B |
| 7. D | 47. A |
| 8. E | 48. E |
| 9. A | 49. B |
| 10. A | 50. C |
| 11. A | |
| 12. B | |
| 13. C | |
| 14. E | |
| 15. E | |
| 16. D | |
| 17. D | |
| 18. A | |
| 19. D | |
| 20. A | |
| 21. B | |
| 22. D | |
| 23. E | |
| 24. B | |
| 25. B | |
| 26. C | |
| 27. E | |
| 28. A | |
| 29. A | |
| 30. A | |
| 31. E | |
| 32. E | |
| 33. D | |
| 34. C | |
| 35. D | |
| 36. A | |
| 37. E | |
| 38. E | |
| 39. C | |
| 40. A | |

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1 Famous Metaphors

Finish the following quotation from Shakespeare's *Romeo and Juliet*: "But, soft! what light through yonder window breaks? It is the east, and Juliet is the _____."

- A. Bomb
- B. Light
- C. Moon
- D. Orb
- E. Sun

2 Burp

When you crack open a fresh soda, what gas is suddenly freed from solution as the pressure is released?

- A. Carbon dioxide
- B. Carbon monoxide
- C. Nitrogen
- D. Oxygen
- E. Sulfur dioxide

3 Big Threes

Dwyane Wade, Chris Bosh, and LeBron James were critical members together on which NBA team?

- A. Chicago Bulls
- B. Cleveland Cavaliers
- C. Los Angeles Lakers
- D. Miami Heat
- E. Toronto Raptors

4 Hard Rock

Besides igneous and metamorphic, what is the third type of rock most often found in ancient seabeds?

- A. Conglomerates
- B. Sedimentary
- C. Synthetic
- D. Thermoclastic
- E. Volcanic

5 Literary Quartets

Gathering Blue, *Messenger*, and *Son* are sequels for what novel written by Lois Lowry?

- A. *A Wrinkle in Time*
- B. *The Giver*
- C. *The Hunger Games*
- D. *Tuck Everlasting*
- E. *Uglies*

6 Learn a New Language

What multilingual archeological discovery, now in the British Museum, was key to deciphering Egyptian hieroglyphics?

- A. Cat Mummies
- B. Elgin Marbles
- C. Granite Head of Amenhotep III
- D. Rosetta Stone
- E. Vindolanda Tablets

7 Listen Closely

What classical German composer suffered from worsening deafness during the last twenty-five years of his career?

- A. Bach
- B. Beethoven
- C. Haydn
- D. Mozart
- E. Tchaikovsky

8 Presidential Plaques

President Harry S Truman famously had a plaque on his desk that read: "The _____ Stops Here."

- A. Blame
- B. Buck
- C. Complaining
- D. Debate
- E. Mail

9 Fractions

How is the fraction $\frac{1}{20}$ expressed as a decimal?

- A. 0.04
- B. 0.05
- C. 0.20
- D. 0.5
- E. 4

10 Suffix Suffering

Which of the following suffixes is used in medicine to indicate the presence of tissue inflammation?

- A. -cytosis
- B. -emia
- C. -itis
- D. -opathy
- E. -osis

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11 Electricity

The juice inside of a lemon can provide what necessary part of an electrical battery?

- A. Anodes
- B. Cathodes
- C. Diodes
- D. Electrodes
- E. Electrolytes

16 Mean Math

What is the mean of this set of numbers? 9, 9, 4, 6, 2?

- A. 5
- B. 6
- C. 7
- D. 8
- E. 9

12 Intellectual Property

What kind of intellectual property right is best suited to protect purely artistic and expressive works such as paintings and music?

- A. Copyright
- B. Patent
- C. Royalty
- D. Trade Secret
- E. Trademark

17 War Songs

What popular Civil War song by abolitionist Julia Ward Howe starts: "Mine eyes have seen the glory of the coming of the Lord..."

- A. Ashokan Farewell
- B. Battle Hymn of the Republic
- C. John Brown's Body
- D. Lincoln and Liberty
- E. Yellow Rose of Texas

13 Poem Classifications

"Do Not Go Gentle into that Good Night" is an example of what classification of poetry?

- A. Diamante
- B. Epic
- C. Haiku
- D. Sonnet
- E. Villanelle

18 Vital Tubes

Which of the following blood vessels in humans carries deoxygenated blood away from the heart?

- A. Aorta
- B. Innominate vein
- C. Pulmonary artery
- D. Pulmonary vein
- E. Superior vena cava

14 Pungent Prosody

A question can't contain a more mellifluous margin of what ringing repetition of speech's sweetest sounds?

- A. Alliteration
- B. Apodosis
- C. Conjunction
- D. Quatrain
- E. Scansion

19 Terrorist Attacks

In March of 2019, New Zealand experienced its most deadly terrorist attack. A gunman live-streamed the first of two successive shootings in which he killed 51 individuals and injured 49 others. Where did the shootings take place?

- A. Bars
- B. Grocery stores
- C. Mosques
- D. Restaurants
- E. Schools

15 Insect Anatomy

Respiratory spiracles, reproductive organs, and stingers are located on what segment of the insect body?

- A. Abdomen
- B. Head
- C. Legs
- D. Thorax
- E. Wings

20 Is the Biggest, the Badest?

Which is the largest country?

- A. Australia
- B. Canada
- C. China
- D. Russia
- E. United States of America

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21 Inequalities

Yesterday Amy walked 10 miles. Today she walked further. Which statement is true about D, the distance she could have walked today?

- A. $D > 10$
- B. $D < 10$
- C. $D \neq 10$
- D. $D \leq 10$
- E. $D \geq 10$

22 Home Standards

What voltage is delivered to the typical American home electrical outlet?

- A. 110
- B. 120
- C. 160
- D. 220
- E. 90

23 Sandy Sources

What fish family is responsible for scraping and eating algae off of coral reefs worldwide, thereby excreting large amounts of white sand that comprise the beaches near these reefs? (Yes, the sand is fish poop.)

- A. Butterfly fish
- B. Catfish
- C. Hagfish
- D. Parrot fish
- E. Salmonids

24 US Geography

Which of the following states borders the Gulf of Mexico?

- A. Arizona
- B. Arkansas
- C. California
- D. New Mexico
- E. Texas

25 Boom!

Though present in China much earlier, what explosive substance did not begin being used in warfare in Europe until the Middle Ages?

- A. Dynamite
- B. Fireworks
- C. Flaming Arrows
- D. Greek Fire
- E. Gunpowder

26 Conic Sections

What shape will this function produce? $y^2 = 16x$

- A. Circle
- B. Ellipse
- C. Hyperbola
- D. Parabola
- E. Straight line

27 Science Fiction Sayings

What 1979 science fiction novel advised readers always to carry a towel and not to panic?

- A. *Dune*
- B. *Fahrenheit 451*
- C. *Stranger in a Strange Land*
- D. *The Hitchhiker's Guide to the Galaxy*
- E. *The Time Machine*

28 Children's Characters

What ordained Presbyterian minister became a children's television hit in the late 1960s with his public television show featuring puppets, a trolley, and the Land of Make Believe?

- A. Captain Kangaroo
- B. Mister Rogers
- C. Pee Wee Herman
- D. Slim Goodbody
- E. Willie Whistle

29 Mark Your Calendars

For how long did Moses fast before receiving the Ten Commandments, rain fall on Noah and his Ark, and Jesus fast and pray in the wilderness?

- A. 40 days
- B. 40 years
- C. 7 days
- D. 7 years
- E. 70 days

30 Literary Devices

Which of the following musical lines illustrates the best example of a simile?

- A. A rock feels no pain. And an island never cries
- B. Baby, you're a firework
- C. Splish Splash, I was taking a bath
- D. The wind is howling like this swirling storm inside
- E. They paved paradise and put up a parking lot

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31 Notable Nauticals

John Jacob Astor IV, Benjamin Guggenheim, and Mollie Brown were some noteworthy passengers on what famous ship?

- A. Beagle
- B. Mayflower
- C. Queen Mary
- D. Santa Maria
- E. Titanic

32 Medical Marvels

Antibiotics kill which of the following kinds of pathogens?

- A. Bacteria
- B. Fungi
- C. Parasites
- D. Prions
- E. Viruses

33 Geometry

How many edges does a tetrahedron have?

- A. 5
- B. 6
- C. 7
- D. 8
- E. 9

34 Ageless in Prehistory

Which of these examples of art is considered to be the oldest?

- A. Altamira Cave Paintings
- B. Book of the Dead
- C. Lascaux Cave Paintings
- D. Pyramids of Giza
- E. Venus of Willendorf

35 Tom's Tomes

Which of the following books by Tom Wolfe traces the development of the early American space program?

- A. *A Man in Full*
- B. *In Our Time*
- C. *The Bonfire of the Vanities*
- D. *The Electric Kool-Aid Acid Test*
- E. *The Right Stuff*

36 Companies

Purdue, Merck, and Pfizer are companies that make what?

- A. Automobiles
- B. Beverages
- C. Microchips
- D. Pharmaceuticals
- E. Textiles

37 Expanded Sovereignty

The Louisiana Purchase extended United States Sovereignty across which river?

- A. Colorado
- B. Hudson
- C. Mississippi
- D. Missouri
- E. New Jersey

38 Literary Lofts

What fictional detective received visitors upstairs at 221B Baker Street?

- A. Hercule Poirot
- B. Miss Marple
- C. Philip Marlowe
- D. Sam Spade
- E. Sherlock Holmes

39 State Capitals

What Australian state capital is located on Botany Bay?

- A. Adelaide
- B. Brisbane
- C. Melbourne
- D. Perth
- E. Sydney

40 Unusual Births

According to Greek legend, which goddess sprang, fully formed, from Zeus' head at the time of her birth?

- A. Aphrodite
- B. Artemis
- C. Athena
- D. Persephone
- E. Tyche

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41 Have You Seen...?

Which of the following Disney animated movies has NOT been remade in a live-action version?

- A. *Aladdin*
- B. *Dumbo*
- C. *Mulan*
- D. *The Emperor's New Groove*
- E. *The Lion King*

42 Literary Contests

Which character was the winner of *The Westing Game*?

- A. Berthe Erica Crow
- B. Flora Baumbach
- C. George Theodorakis
- D. Samuel Westing
- E. Turtle Wexler

43 Unexpected Findings

What event began with an interesting discovery at Sutter's Mill in January 1848?

- A. American Civil War
- B. Bone Wars
- C. California Gold Rush
- D. Mexican-American War
- E. Russian Revolution

44 Bright Ideas

Who invented the first effective, commercially successful incandescent light bulb?

- A. Alexander Graham Bell
- B. Alfred Nobel
- C. Nikola Tesla
- D. Orville Wright
- E. Thomas Edison

45 Triangle Legs

Which of the following cannot be the lengths of the sides of a right triangle?

- A. 1, 1, $\sqrt{2}$
- B. 5, 12, 13
- C. 6, 8, 10
- D. 8, 15, 17
- E. 9, 16, 25

46 Genetics

If two plants with the genes AA and aa reproduce, where A represents the flower color red, and a represents the flower color white, what is the chance the offspring will have red flowers?

- A. 0%
- B. 100%
- C. 25%
- D. 50%
- E. 75%

47 38th Parallel Partisans

Which country was the major ally of the Communist North Koreans during the Korean conflict from 1950-1953?

- A. China
- B. Japan
- C. South Korea
- D. Soviet Union
- E. Vietnam

48 Falling For You

In meters per second squared (m/s^2), which of the following is the closest approximation to the gravitational acceleration at the Earth's surface?

- A. 2.2
- B. 21.1
- C. 32.0
- D. 8.9
- E. 9.8

49 Faulty Architecture

In what city do tourists flock to see a campanile tower that leans to a 4 degree angle?

- A. Dresden
- B. Florence
- C. Paris
- D. Pisa
- E. Rome

50 Congressional Counting

Although there are only two U.S. Senators from each state, the number of Representatives to Congress is decided based on what feature of the state?

- A. Annual rainfall
- B. Economic production
- C. Land area
- D. Population
- E. Years since founding

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- | | |
|-------|-------|
| 1. E | 41. D |
| 2. A | 42. E |
| 3. D | 43. C |
| 4. B | 44. E |
| 5. B | 45. E |
| 6. D | 46. B |
| 7. B | 47. A |
| 8. B | 48. E |
| 9. B | 49. D |
| 10. C | 50. D |
| 11. E | |
| 12. A | |
| 13. E | |
| 14. A | |
| 15. A | |
| 16. B | |
| 17. B | |
| 18. C | |
| 19. C | |
| 20. D | |
| 21. A | |
| 22. B | |
| 23. D | |
| 24. E | |
| 25. E | |
| 26. D | |
| 27. D | |
| 28. B | |
| 29. A | |
| 30. D | |
| 31. E | |
| 32. A | |
| 33. B | |
| 34. A | |
| 35. E | |
| 36. D | |
| 37. C | |
| 38. E | |
| 39. E | |
| 40. C | |

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1 Telling Time

Greenwich Mean Time is the time of day at what longitude line on Earth that passes through Greenwich, London, England?

- A. 0 degrees
- B. 180 degrees
- C. 270 degrees
- D. 60 degrees
- E. 90 degrees

2 Boundary Waters

Which major body of water do the following African nations border: Algeria, Libya, Egypt, Morocco?

- A. Atlantic Ocean
- B. Gulf of Aden
- C. Indian Ocean
- D. Mediterranean Sea
- E. Red Sea

3 Drums

What is the name for the traditionally copper, hemispherically-shaped orchestral drum tuned by foot pedals?

- A. Bongo
- B. Djembe
- C. Snare
- D. Timbales
- E. Timpani

4 Vertices

What is the x value of the vertex of this equation: $x^2 - 3x + 1$.

- A. -1.25
- B. -1.5
- C. 1.25
- D. 1.5
- E. 3

5 Colonial US

Which religious groups did early Protestant English colonists most strongly identify against?

- A. Catholics
- B. Eastern Orthodox Christians
- C. Hindus
- D. Jews
- E. Muslims

6 Planetary Peculiarities

Which planet in our solar system is uniquely tilted 98 degrees off its orbital plane, essentially orbiting on its side?

- A. Jupiter
- B. Mercury
- C. Neptune
- D. Uranus
- E. Venus

7 On the Farm

The following are breeds of what farm animal? Dorper, Texel, Dorset Horn, Suffolk, Merino.

- A. Cats
- B. Cattle
- C. Chickens
- D. Goats
- E. Sheep

8 Greasers

All of the following characters are in *The Outsiders* EXCEPT:

- A. Dally
- B. Darry
- C. Houston
- D. Ponyboy
- E. Sodapop

9 American Poets

Which American poet wrote the celebratory poem "Song of Myself"?

- A. E. E. Cummings
- B. Ralph Waldo Emerson
- C. Robert Frost
- D. T. S. Eliot
- E. Walt Whitman

10 Technology and the Law

For what did the US Justice Department sue Google in the fall of 2020?

- A. Anticompetitive practices
- B. Political corruption
- C. Privacy violations
- D. Racial and gender discrimination
- E. Tax evasion

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11 Folk Dances

Which of the following folk dances, though originating among the Czech people, is now also associated with German and Polish societies?

- A. Ballet
- B. Flamenco
- C. Polka
- D. Riverdance
- E. Square dancing

12 Traumatic Triggers

The assassination of Archduke Franz Ferdinand of Austria-Hungary triggered what international conflict?

- A. French-and-Indian War
- B. U.S. War of Independence
- C. Vietnam War
- D. World War I
- E. World War II

13 Jazzing It Up

Which of these black writers, father of jazz poetry, is known for his insightful, colorful portrayals of black life in America, important to shaping the Harlem Renaissance.

- A. Alex Haley
- B. James Baldwin
- C. Langston Hughes
- D. Ralph Ellison
- E. Richard Wright

14 Grab Some Popcorn

Steven Spielberg, Martin Scorsese, Alfred Hitchcock, and Stanley Kubrick are best known for playing what kind of role in the creation of movies?

- A. Actor
- B. Director
- C. Key Grip
- D. Producer
- E. Writer

15 Constitutional Rights

Which one of the following is NOT a right protected by the First Amendment?

- A. Freedom of Religion
- B. Freedom of Speech
- C. Freedom of the Press
- D. Right to Assemble
- E. Right to Bear Arms

16 Fractions and Percents

If Sophie has used 20% of her notebook, what fraction does she have left?

- A. $\frac{19}{20}$
- B. $\frac{1}{20}$
- C. $\frac{1}{5}$
- D. $\frac{3}{4}$
- E. $\frac{4}{5}$

17 But Is It Functional?

Which set of ordered pairs could be from a function?

- A. $\{(1, 4), (1, 5), (4, 4)\}$
- B. $\{(3, 2), (6, 4), (3, 4)\}$
- C. $\{(3, 2), (6, 4), (9, 2)\}$
- D. $\{(6, 5), (6, 8), (6, 9)\}$
- E. $\{(7, 2), (8, 2), (8, 3)\}$

18 See Here

In which lobe of the human brain is visual perception and processing localized?

- A. Frontal
- B. Insular
- C. Occipital
- D. Parietal
- E. Temporal

19 Holy Sites

Worldwide controversy erupted in 2020 over the transformation of a 6th century Orthodox Christian cathedral into a Muslim mosque in what historic city?

- A. Antioch
- B. Athens
- C. Istanbul
- D. Jerusalem
- E. Moscow

20 Isotopes

Neon-20, Neon-21 and Neon-22 are three naturally occurring isotopes of the element Neon. How are these atoms different from each other?

- A. Number of electrons in the nucleus
- B. Number of electrons in the cloud
- C. Number of neutrons in the cloud
- D. Number of neutrons in the nucleus
- E. Number of protons in the nucleus

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21 Flying Fruit

In a book by Roald Dahl, James and his companions, Centipede, Miss Spider, Silkworm, Old Green Grasshopper, Ladybird, Glowworm, and Earthworm travel to New York City inside of what giant fruit?

- A. Apple
- B. Apricot
- C. Cherry
- D. Peach
- E. Pear

22 Eeeeeevil

What was the last name of the villain in the 1961 Disney animated film *101 Dalmatians*?

- A. Cruellita
- B. De Vil
- C. Nastola
- D. Perdita
- E. Thompson

23 Greek Cities

Which of these cities was regarded by citizens of Ancient Greece as the center of the world and was dedicated to Apollo?

- A. Athens
- B. Delphi
- C. Olympia
- D. Sparta
- E. Thebes

24 American Heroes

What American hero is said to have carried a lamp through the streets, yelling, "The British are coming!"?

- A. Benjamin Franklin
- B. George Washington
- C. Paul Revere
- D. Samuel Adams
- E. Thomas Jefferson

25 Rescuers Down Under

In the summer of 2018, members of a junior soccer team were rescued from a cave. The rescue attempt involved over 10,000 people and took 18 days. In what country was the cave?

- A. Cambodia
- B. China
- C. Indonesia
- D. Thailand
- E. Vietnam

26 Volume

What is the volume of a pyramid that is 30 feet tall and has a base measuring 50 square feet?

- A. 150 cubic feet
- B. 1500 cubic feet
- C. 325 cubic feet
- D. 500 cubic feet
- E. 750 cubic feet

27 Chill Out

What is the term used for substances that lose almost all resistance to electric current near zero degrees Kelvin?

- A. Cryoconductors
- B. Cryoelectronics
- C. Flowtronics
- D. Kelvoelectrics
- E. Superconductors

28 Pain-Relieving Plants

What is the common name for the genus of trees and shrubs from which salicylic acid, a precursor to aspirin, was first purified and used to relieve pain and inflammation in humans?

- A. Aspens
- B. Foxgloves
- C. Redwoods
- D. Sycamores
- E. Willows

29 Punctuation Rules

Which of the following "connectors" CANNOT be used to correctly connect two independent clauses?

- A. A colon
- B. A comma and a coordinating conjunction
- C. A hyphen
- D. A period
- E. A semi-colon

30 Decimals

What position does the 7 hold in the following decimal?

0.107435

- A. Hundreds
- B. Hundredth
- C. Ten Thousandth
- D. Tenth
- E. Thousanth

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31 Algebraic Terminology

Consider the equation $8x - 4 = 12$. Which number is the coefficient?

- A. -4
- B. 16
- C. 2
- D. 4
- E. 8

36 Quantity ID

What quantity in physics is found by taking the product of an object's velocity and its mass?

- A. Acceleration
- B. Force
- C. Impulse
- D. Momentum
- E. Pressure

32 Fictional Realms

C.S. Lewis created what magical land in his books?

- A. Fablehaven
- B. Hogwarts
- C. Middle-earth
- D. Narnia
- E. Terabithia

37 Checks and Balances

Which of the following is a member of the EXECUTIVE branch of the United States federal government?

- A. Chief Justice
- B. President Pro Tempore of Senate
- C. Senate Majority Leader
- D. Speaker of the House
- E. Vice President

33 Death Sentences

Which Greek Philosopher was sentenced to death by hemlock poisoning when the political climate turned against him?

- A. Anaximander
- B. Aristotle
- C. Plato
- D. Pythagoras
- E. Socrates

38 American Literature

Who created the characters of Tom Sawyer and Huckleberry Finn?

- A. Ernest Hemingway
- B. F. Scott Fitzgerald
- C. J.D. Salinger
- D. Mark Twain
- E. Nathaniel Hawthorne

34 Non-Mathematical Vectors

Which of the following diseases is tick-borne?

- A. Herpes zoster
- B. Human papillomavirus
- C. Leprosy
- D. Rocky Mountain Spotted Fever
- E. Tuberculosis

39 Game Evolution

Nintendo, the computer-game company in Kyoto, Japan, was founded in 1889 as a manufacturer of what game-playing equipment?

- A. Dice
- B. Playing cards
- C. Poker chips
- D. Roulette wheels
- E. Slot machines

35 Your Device is Running Low on Space

Digital storage on smartphones is typically measured in what?

- A. Bytes
- B. Gigabytes
- C. Kilobytes
- D. Megabytes
- E. Terabytes

40 Paint Ingredients

Historically the gemstone Lapis Lazuli was ground to make paint of what color?

- A. Blue
- B. Brown
- C. Green
- D. Red
- E. Yellow

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41 Shark Attacks

Which type of shark is least likely to attack a human?

- A. Bull shark
- B. Great white
- C. Oceanic whitetip
- D. Tiger shark
- E. Whale shark

46 Pump the Brakes

What shape is a stop sign?

- A. Dodecahedron
- B. Octagon
- C. Parallelogram
- D. Rectangle
- E. Trapezoid

42 Replacement Rockers

What rock band was led by David Lee Roth before he was replaced by Sammy Hagar in 2003?

- A. Bon Jovi
- B. Guns 'n' Roses
- C. Journey
- D. Poison
- E. Van Halen

47 Moon Maps

Which of the following is the proper name of the Moon site on which Apollo 11 landed in 1969?

- A. Mare Insularum
- B. Mare Serenitatis
- C. Mare Tranquillitatis
- D. Mons Huygens
- E. Oceanus Procellarum

43 Airplane Crashes

What airliner model was grounded worldwide in 2019 after two deadly crashes that occurred less than five months apart killed a total of 346 people?

- A. B-24 Liberator
- B. Bell X-1
- C. Boeing 737 MAX
- D. Eclipse 500
- E. Hindenburg

48 Wild Lands

Purchased in 1867, the territory that would later become the state of Alaska was acquired by the United States from what foreign power?

- A. Canada
- B. France
- C. Great Britain
- D. Mexico
- E. Russia

44 Famous Animals

What kind of animal is *The Yearling* in the famous novel by Marjorie Rawlings?

- A. Cow
- B. Deer
- C. Dog
- D. Horse
- E. Pig

49 Scientific Notation

The distance from the Earth to the Sun is 93,684,000 miles. Express this number in scientific notation.

- A. 0.93684×10^8
- B. 9.3684×10^7
- C. 93.684×10^6
- D. 936.84×10^5
- E. 93684×10^3

45 Sci-Fi Science

As we are often reminded by aliens in science fiction stories, life on Earth is based on what chemical element?

- A. Carbon
- B. Hydrogen
- C. Krypton
- D. Nitrogen
- E. Silicon

50 Witty Insults

Which literary technique dealing with sound can be seen in this line from Shakespeare's *Twelfth Night*? "Leave thy vain bibble-babble."

- A. Assonance
- B. Chiasmus
- C. Consonance
- D. Internal Rhyme
- E. Metaphor

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- | | |
|-------|-------|
| 1. A | 41. E |
| 2. D | 42. E |
| 3. E | 43. C |
| 4. D | 44. B |
| 5. A | 45. A |
| 6. D | 46. B |
| 7. E | 47. C |
| 8. C | 48. E |
| 9. E | 49. B |
| 10. A | 50. C |
| 11. C | |
| 12. D | |
| 13. C | |
| 14. B | |
| 15. E | |
| 16. E | |
| 17. C | |
| 18. C | |
| 19. C | |
| 20. D | |
| 21. D | |
| 22. B | |
| 23. B | |
| 24. C | |
| 25. D | |
| 26. D | |
| 27. E | |
| 28. E | |
| 29. C | |
| 30. E | |
| 31. E | |
| 32. D | |
| 33. E | |
| 34. D | |
| 35. B | |
| 36. D | |
| 37. E | |
| 38. D | |
| 39. B | |
| 40. A | |

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