

E-Team
8th Grade

Begin 5-point questions

1. Which one of the following four do scientists use when offering a general rule for the way something should behave?

- *a) theory
- b) hypothesis
- c) data
- d) variable

2. Complete the following by finding the common economics word that is missing from every pair of words.

_____ Day _____ pains
hard _____ _____ union

Answer: labor

3. Charged atoms are called _____.

- a) molecules
- b) electrons
- c) isotopes
- *d) ions

4. Identify the sentence with the transitive verb.

- *a) Carrie sang a song for us.
- b) Carrie sang at the Civic Center.
- c) Carrie sang beautifully.

5. Spell the word that goes in the blank. _____ is defined as the use of a word that imitates a sound.

Answer: o n o m a t o p o e i a

6. A clerk who is paid \$1352 a month is now to be paid every two weeks. How much would he receive in each paycheck?

Answer: \$624

7. I will give you some of the letters in a two-word economics term. Identify the term.

First word: i n _ _ _ n a t _ _ _ a l
Second word: _ r a d _

Answer: international trade

8. Mr. Morgan is a traveling salesman. At 6:30 a.m. he left Tampa Airport and landed in Dallas 2_ hours later. He caught his destination flight 30 minutes later and arrived in San Francisco after being in flight for 3 hours. What time was it Pacific Time when the plane landed.

Answer: 9:30 a.m.

9. Place the following four events in chronological order.

- a) Eli Whitney made muskets using interchangeable parts.
- b) Ford began use of the assembly line in producing cars.
- c) Harriet Beecher Stove wrote a controversial novel.
- d) Grapes of Wrath became a best selling novel.

Answer: a, c, b, d

10. A dressmaker uses $3\frac{3}{4}$ yards of cloth to make one dress. How many complete dresses can be made from a 50-yard bolt?

Answer: 13 dresses

11. Complete the analogy from the following four given choices.

Trade is to barter as pandemonium is to _____.

- a) panic
- *b) tumult
- c) vibration
- d) melancholy

12. Which of the three branches of our government is responsible for appropriating money?

Answer: legislative or Congress

End of 5-point questions

Begin 10-point team questions

Instructions: Give each team four copies of Handout.

Read: Do not turn over the handouts until you are told to begin. This team question is worth 10 points. Each question is worth 2 points. You will be given 3 minutes. Identify one handout as a team answer sheet.

Begin

3 minutes

STOP Identify one handout as your team answer sheet and hold it up in the air. The judges will correct your work.

- Answer:
- 1. \$450,000
 - 2. 1982
 - 3. 25%
 - 4. 50%
 - 5. \$2,530,000

Handout 8-1-1

Team # _____

From the attached graph,

1. What were the approximate sales in 1984? _____
2. In what year did they have the smallest total sales? _____
3. What was the percent decrease in sales from 1983 to 1984? _____
4. What was the percent increase in sales from 1982 to 1983? _____
5. What was the approximate total sales for the five years? _____

Two minute break (substitutions)

Announce scores

Begin 10-point questions

13. A _____ is an alphabetical list of sources used in a report, appearing at the end of the report.

Answer: bibliography

14. This question has three steps.

First add the number of letters in the word equilibrium to the year Ronald Reagan was first elected president; from this sum subtract the number of letters in the surname of the First Secretary of the Treasury; finally multiply this difference by the number of nickels in a dollar.

Answer: 39,660 ($11 + 1980 = 1991 - 8 = 1983 \times 20$)

15. Place the following four events or contributions in chronological order by letter.

- a) Albert Einstein receives a Nobel Prize.
- b) Hawaii becomes the 50th state.
- c) The Red Badge of Courage is published.
- d) Godspell and Jesus Christ Superstar become Broadway hits.

Answer: c, a, b, d

16. Twelve times a number is -324. Find the number.

Answer: -27

17. Complete the analogy with one of the four given choices. Wage is to salary as abdicate is to _____.

- a) shorten
- *b) relinquish
- c) substitute
- d) instigate

18. Which one of the following four did not occur in 1776?

- a) Mozart composed music
- b) Wealth of Nations was published
- *c) Cornwallis surrendered at Yorktown
- d) Washington defeated the Hessians at Trenton

19. Mr. Smith sells woodburning stoves. He is thinking of opening a store in Deadhead where the average daily temperature is 30°C. If you were a business consultant, would you advise Mr. Smith to open this store?

Answer: No

20. Identify the four prepositional phrases in the following sentence:

Fear (about the decline) (of the dollar) is one (of the factors) being cited (in the stock market decline.)

Answer: about the decline
of the dollar
of the factors
in the stock market decline

21. Match the four book title in column one to its theme in column two.

<u>Titles</u>	<u>Themes</u>
1. <u>History of the Standard Oil Company</u> by Tarbell	a) living conditions in large city slums b) revolting practices of the meat packing industry
2. <u>The Jungle</u> by Sinclair	
3. <u>How the Other Half Lives</u> by Riis (reese)	c) ruthless practices of a gigantic monopoly
4. <u>Uncle Tom's Cabin</u> by Stowe	d) suffering of slaves in the South

Answer: 1-c, 2-b, 3-a, 4-d

22. What is measured by the machine invented in 1928 by Geiger and Muller?

Answer: radioactivity

23. Name four of the five planets that can be observed with the naked eye.

Answer: Mercury, Venus, Mars, Jupiter, Saturn (any four)

24. The price of footballs is going up to \$16.50. The price increase is \$1.65. What is the percent of price increase?

Answer: 10%

25. Sarah had 8 coins in her hand. The coins total 78¢. How many of each and which coins does she have?

Answer: 2 quarters, 2 dimes, 1 nickel, 3 pennies

26. Which one of the following four is not one of the three main layers of the earth?

- a) lithosphere
- b) mantle
- *c) atmosphere
- d) core

27. Fill in the two blanks: The dividing line between the rivers that flow toward the Atlantic and Pacific Oceans is called the _____.

Answer: Continental Divide

28. Fill in the blank: As interest rates increase, the cost of holding onto money _____.

Answer: rises or increases

29. Ann, Lee, and Jane have jobs as a teacher, florist, and nurse (but not necessarily in that order). Ann lives 10 miles from the teacher. Lee and the nurse both enjoy playing tennis. Jane is older than both the florist and the nurse. Match the names with the jobs.

Answer: Ann - nurse, Lee - florist, Jane - teacher

30. Complete the analogy with one of the following four choices.

_____ is to The Lord of the Rings as _____ is to Lord of the Flies.

- a) Conrad, Salinger
- *b) Tolkien, Golding
- c) Tolstoy, Steinbeck
- d) Stevenson, Irving

31. Which twice-elected president was in office when the following four events occurred?

- a) Pierre and Marie Curie discovered radium.
- b) The Boxer Rebellion took place in China.
- c) Teddy Roosevelt charged up San Juan Hill.
- d) Plessy vs Ferguson was decided by the Supreme Court.

Answer: William McKinley

For the next four questions use one of the following famous scientists.

William Morton	Albert Einstein
Walter Reed	John J. Audubon
Jonas Salk	Robert H. Goddard

Each scientist has secretly joined a rock and roll band to supplement his income. Identify the scientist associated with each of the following smash hits and the groups which recorded them.

32. "E=MC_" by the Relativity 5.

Answer: Einstein

33. "The Beak Speaks" by Ollie and the Ornithologists.

Answer: Audubon

34. "Blast off!" by Freda and the Fuel Injectors.

Answer: Goddard

35. "I've Got the Fever" by Melvin and the Mosquitoes

Answer: Reed

End of 10-point questions

Begin 20-point team questions

Instructions: Give each team 4 copies of Handout 8-1-2, face down.

Read: Do not turn over the handouts until you are told to begin. This team question is worth 20 points. Each question is worth 4 points. You will be given 3 minutes. Identify one handout as a team answer sheet.

Begin

3 minutes

STOP Identify one handout as your team answer sheet and hold it up in the air. The judges will correct your work.

Answer: 1. Alloy, 2. Minerals, 3. D, 4. Carbon (or coke), 5. Talc

Two-minute break (substitutions allowed)

Announce scores

Begin 15-point questions

36. A school store buys 250 notebooks at \$40 per 100, and pays \$7.50 for transportation charges on the shipment. At what price should the store sell each of these notebooks in order to make a gross profit of \$30 on the entire lot?

Answer: 55¢

37. Spend is to save as peevish is to _____.

- | | |
|-------------|-------------|
| a) hasty | c) mean |
| b) satiated | *d) affable |

For the following four questions use Handout 8-1-3.

38. The U.S. imports _____% of the oil it consumes.

Answer: 42.4%

39. If the Middle East oil exporting nations form a cartel and cut back on production would the quantity of oil demanded from Venezuela increase or decrease?

Answer: Increase

40. If the African and Middle Eastern nations listed stopped selling oil to the U.S., the U.S. oil supply would decrease by _____ percent.

Answer: 25.7

41. Which one of the following three combinations of nations supplies the most oil to the U.S.?

- a) Trinidad and Venezuela
- *b) Libya and Iran
- c) Indonesia and Algeria

Handout 8-1-2

Team # _____

The home you live in and the school you attend have been constructed with the help of chemistry. From the making of cement to the science of metallurgy, chemistry is involved in the construction industry. Metallurgy produces useful metals such as iron and steel.

Many of the products used in the construction industry come from naturally occurring chemical compounds called minerals. Others come from rocks. Cement is made from limestone and clay. By mixing cement with sand, gravel and water, concrete is made.

Pig iron is formed when iron is heated in large blast furnaces with coke and limestone.

1. What is a mixture of metals called? _____
2. A rock is a mixture of _____.
3. Limestone is a rock made largely of the mineral _____.
 - a. Feldspar
 - b. Mica
 - c. Quartz
 - d. Calcium Carbonate
4. Pig iron can be made into steel by removing most of the impurities and adding a measured quantity of _____.
5. Name a mineral that has a hardness of 1 on the hardness scale. _____

Handout 8-1-3

42. In Edgar Allan Poe's poem "The Bells," four kinds of bell sounds were identified. Identify three of the four types of bells.

Answer: sleigh bells, fire alarm bells, wedding bells, funeral bells
(any three)

43. Which one or ones of the following four correctly matches warranty with the source that issues warranties?

- a) It is issued by a bank financing the product.
- b) It is issued by the dealer selling the product.
- *c) It is issued by the producer making the product.
- d) None of the above.

44. Complete the following by finding the common economics term that is missing from every pair of words.

_____ charge
civil _____
_____ man
curb _____

Answer: service

45. Joe is 2 yards tall. Tony is 5 feet 5 inches tall. How much taller is Joe than Tony?

Answer: 7 inches

46. A business man in Chicago set up a conference call with three businessmen in other cities at 12:00 Noon central time. The three cities were Seattle, Detroit, and Boston. What time was it in the other three cities?

Answer: Seattle - 10:00 a.m.
Detroit - 1:00 p.m.
Boston - 1:00 p.m.

47. The following question has several steps. First write the word unemployment, remove the suffix and prefix, remove the fifth and thirteenth letters of the alphabet, add the letters i and c. Rearrange the remaining to form a term used in the insurance industry.

Answer: policy

48. Place the following words in alphabetical order.

enterprise, indenture, entropy, entrepreneur

Answer: enterprise, entrepreneur, entropy, indenture

49. If 600 shares of Fred's Fried Chicken Stock earn an annual dividend of \$750, how many shares are required to earn an annual dividend of \$1200?

Answer: 960 shares

50. Place the following four events in chronological order by letter.

- a) Great Stock Market Crash
- b) American Federation of Labor is formed
- c) Income Tax is begun
- d) Alexander Hamilton proposed Bank of U.S.

Answer: d, b, c, a

51. When the price of candy went up, the amount of candy consumed went down. This situation is an example of an inverse relationship. True or False.

Answer: True

52. Fill in the blank: _____ is the branch of science that deals with the origin and nature of the universe.

Answer: cosmology

53. Identify the verbs in the following sentence and give their tenses.

By the time the final bell rang on the New York Stock Exchange, more than 600 million shares had been bought and sold.

Answer: rang - past
had been bought/sold - past perfect

54. During which one of the four years listed did all of the following four happen?

- o it was a census year
- o Beethoven composed symphony No. 1 in C Major
- o Jefferson and Burr tied with 73 votes each in the electoral
- o the seat of government moved from Philadelphia to Washington D.C.

- *a) 1800
- b) 1804
- c) 1808
- d) 1810

55. One of the largest contributors to acid rain is the gas _____.

Answer: sulfur dioxide

56. Match the four famous people in Column I with their occupations in Column II.

<u>People</u>	<u>Occupations</u>
1. Ernest Hemingway	A. composer
2. Irving Berlin	B. playwright
3. Tennessee Williams	C. novelist
4. James McNeill Whistler	D. painter

Answer: 1.-C, 2.-A, 3.-B, 4.-D

Handout 8-1-4

Team # _____

A Christmas Carol

2
Was nobody's stooge;
It drove him into one of his rages
When somebody asked for more 3.

4
Was especially liable to catch it
For expecting his 5
To cover Christmas Day.

But a series of Christmas 6,
Acting as Scrooge's spiritual directors,
Asked him who was the cripple: Tiny Tim?
Or him?

And suddenly he became a hearty
7 at the Cratchits' Christmas party.
8 unions may boast,
But the best 9 is a ghost.

Paul Griffin

Read the rhyming version of "A Christmas Carol".
Note the rhyme scheme is aabb, ccdd, eeff, gghh.

1. Who is the author of the book A Christmas Carol? _____

Fill in the blanks 2-9 using the following clues.

2. _____ (A miserly character, an entrepreneur.)
3. _____ (What the Bible says we get for sin.)
4. _____ (An employee, father of a large family, including one sick son who walked with a cane.)
5. _____ (It is the first word in ____ check, ____ off, ____ roll and ____ master.)
6. _____ (Apparitions of an ectoplasmic nature.)
7. _____ (Root word is "good-doer"; rhymes with "many tractor")
8. _____ (Word meaning to barter, traffic or exchange.)
9. _____ (One who dickers; 5 syllables)
10. A Christmas Carol was written in 1843. Which one or ones of the following four occurred prior to that date?
 - a. Inauguration of James Madison as fifth president.
 - b. Rubens painted 24 portraits of the Queen of France.
 - c. Wright brothers successful flight of Kitty Hawk.
 - d. Florida admitted as a state.

Tie Breakers

1. Fill in the blank: _____ is defined as interest paid upon money deposited in an account and also on all the interest already earned by the deposit.

Answer: compound interest

