

E-Team
8th Grade

Begin 5-point questions

1. Two word letter scramble. Rearrange the letters and identify an English economist.

First word: s t h m a o
Second word: h a m l t u s

Answer: Thomas Malthus

2. According to the economist in the previous question which one of the following four should be a nations greatest concern?

- a) natural disasters
- *b) overpopulation
- c) stock market crash
- d) printing too much money

3. Jane Johnson wants to purchase a pure silver ring weighing 10 grams. She visits four jewelers who each make her a ring weighing 10 grams. However, each ring is a different size. Jane finds out that only one of the rings is pure silver. What physical property did Jane use to find the ring made of pure silver?

Answer: density

4. Peter Pan's Purple Popside Plant invested its profits in an account paying 9%. If the money had been invested at 9%, the annual interest would have been \$30 less. Find the amount invested.

Answer: \$6,000

5. Letter scramble: Rearrange the letters in the following two words to form terms which mean long speeches:

- 1. y o o s l u l q i
- 2. e n o o m g l o

Answer: 1. soliloquy
2. monologue

6. What is the cliché in the following sentence?

His wallet was flat as a pancake after paying his taxes.

Answer: Flat as a pancake

7. On a map, 1 inch represents 15 miles. Cheyenne and Kansas City are 650 miles apart. What is the map distance between the two cities?

Answer: 43 1/3 inches

8. The Acme company produces fizzbangles and the Zenor company produces a complementary product called bangfizzles. If the price of fizzbangles rises, will the demand for bangfizzles increase or decrease?

Answer: decrease

9. Jane wanted to buy a new pair of \$45 jeans. The Style Shop had them on sale for 40% off. The Teen Shop had them on sale for 20% off but it then reduced the jeans to 25% off the sale price. Which store would have the better buy?

Answer: same price both stores

10. Complete the analogy using one of the four given choices.

Land resource is to natural resource as diffident is to _____.

- a) intricate
- *b) resistant
- c) tranquil
- d) arbitrary

11. Force is measured in the metric system in

Answer: Newtons

12. Which two letters mark the terminals for the Santa Fe Trail?

Answer: E and B

End of 5-point 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. a
 - 2. 45%
 - 3. c
 - 4. a, b, c, d (all of these)
 - 5. a

Handout 8-2-1

Team # _____

Use the following graph to answer the questions.

1. If a person purchased 20 pounds of beef choice in 1965, how much more money would it cost to purchase the same amount of beef choice in 1978?
 - a) \$12.00
 - b) \$16.00
 - c) \$28.00
 - d) \$80.00

2. What was the percent of inflation in the cost of beef choice between 1970 and 1975?

3. Which one of the following is an accurate statement based on information in the graph?
 - a) Pork prices generally increased more gradually than hamburger prices.
 - b) More hamburger was sold in 1978 than pork.
 - c) The price of chicken rose by approximately 38% between 1965 and 1978.
 - d) The meat showing the greatest increase in price between 1975 and 1977 was beef choice.

4. Which one or ones of the following four served as President of the U.S. during the time represented on the graph?
 - a) Ford
 - b) Johnson
 - c) Carter
 - d) Nixon

5. Which one of the following meats would probably be substituted for broilers if a severe shortage of broilers occurred?
 - a) hamburger
 - b) pork
 - c) beef choice
 - d) no substitution available

Two minute break (substitutions)

Announce scores

Begin 10-point questions

For the next three questions use Handout 8-2-2.

13. Which two letters mark the terminals for the Trail of Tears?

Answer: H and F

14. Terminals G and A represent a trail named for a religious group led by Brigham Young. Which religious group is the trail named for?

Answer: Mormons

15. Which one of the following three terms does not belong with the other two?

- *a) multiplier
- b) mean
- c) median

16. Mrs. Smith's living room is 12 feet by 15 feet. How many square yards of carpet must she purchase?

- a) 54
- b) 180
- *c) 20
- d) 18

17. Mr. Harris is about to make a conference call from Dullsville to three of his branch offices in Podunk, Cowtown and Muddobber. Identify which time zone Dullsville is in (Pacific, Mountain, Central or Eastern) from the following clues.

When it is 7:00 a.m. in Dullsville, it is 6:00 a.m. in Podunk. When it is midnight in Muddobber it is 10:00 p.m. in Podunk. When it is 12 noon in Cowtown it is 9:00 a.m. in Podunk.

Answer: Mountain

18. "Skippies" - School Kids with Income and Purchasing Power - are expected to spend 78 billion dollars this year. In this sentence the terms Skippy is which of the following four:

- a) metaphor
- b) aphorism
- *c) acronym
- d) abbreviation

Handout 8-2-2

Team # _____

Worksheet #3C

19. Identify the words needed to complete the following three literary works:

1. "The _____ Heart" by Robert P. T. Coffin
2. "The _____ Heart" by Edgar Allan Poe
3. "The _____ Life of Walter Mitty" by James Thurber

Answer: 1. secret
2. tell-tale
3. secret

20. There are 18 girls and 15 boys in a math class. What is the ratio of girls to the total number of students?

Answer: $\frac{6}{11}$

21. Complete the analogy. October 28, 1929, is to Friday as October 19, 1987 is to _____.

Answer: Monday

22. On a 195-mile trip, Jerry's driving time was 5 hours. At that same rate, what would be his driving time for a 312-mile trip.

Answer: 8 hours

23. Calculate the velocity of a car that takes 5 hours to travel 350 Km in an easterly direction.

Answer: velocity = 70 Km/hr

$$\begin{aligned} \text{velocity} &= \frac{\text{distance}}{\text{time}} \\ &= \frac{350 \text{ Km}}{5 \text{ hr.}} \end{aligned}$$

For the next 2 questions use the following mountains:

- A. Sierra Madre Oriental
- B. Atlas
- C. Kilimanjaro
- D. Mt. McKinley

24. Arrange these mountains in order from West to East.

Answer: Mt. McKinley
Sierra Madre Oriental
Atlas
Kilimanjaro

25. If four mountain climbers reached the top of the listed mountains at 12:00 noon Greenwich time, what time was it for each climber. Match the mountain in column 1 to the time in column 2.

Mountains

Times

- | | |
|--------------------------|---------------|
| 1. Mt. McKinley | a. 3:00 p.m. |
| 2. Sierra Madre Oriental | b. 5:00 a.m. |
| 3. Atlas Mountains | c. 11:00 a.m. |
| 4. Mt. Kilimanjaro | d. 2:00 a.m. |

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

26. Plastics are made from fossil fuels. True or False

Answer: True

27. Complete the analogy with one of the four given choices.

Entrepreneur is to manager as prodigious is to _____.

- a) talented
- b) intellectual
- *c) immense
- d) conscientious

28. What do you study if you are an entomologist?

Answer: insects

29. Sue's Smoke Shop bought 30 boxes of cigars, each box containing 50 cigars, at \$4.30 a box, and sold them at the rate of 2 cigars for 25¢. What was the store's gross profit on the 30 boxes?

Answer: \$58.50

30. Match two of the following three pseudonyms with the author's real name.

- | | |
|-----------------|--------------------------|
| 1. O'Henry | A. Mary Anne Evans |
| 2. Mark Twain | B. William Sydney Porter |
| 3. George Eliot | C. Samuel Clemmons |

Answer: 1. B
2. C
3. A

31. Identify the one word common to each of the following four:

_____ leaf
_____ fracture
_____ microscope
_____ interest

Answer: compound

32. The open membrane network found in cytoplasm is

- (a) mitochondria
- (b) ribosomes
- * (c) endoplasmic reticulum
- (d) cell wall.

33. A car can be rented at \$16 per day plus 16¢ per mile. The renter pays an additional \$2 per day for full coverage insurance. If the renter keeps the car 3 days and drives 852 miles, what will be the total charge?

Answer: \$190.32

34. Place the following four events in correct chronological order by letter:

- a) inauguration of George Washington
- b) publication of the Wealth of Nations
- c) ratification of the Constitution
- d) Battle of Lexington

Answer: b, d, c, a

End of 10-point questions

Begin 20-point team questions

Instructions: Give each team 4 copies of Handout 8-2-3.

Read: Do not turn over the handouts until you are told to begin. This team question is worth 20 points. Each question is worth 1 point. 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: See answer Key 8-2-3

Two-minute break (substitutions allowed)

Announce scores

Begin 15-point questions

35. Fill in the blank. _____ farms are owned and operated by the state to whom the crops belong. The workers who produce the crops are paid wages.

Answer: collective

36. Place the following four teams in alphabetical order:

commissary
commerce
commercialism
commercialization

Answer: commerce
commercialism
commercialization
commissary

37. Which of the following four would Winnie the Pooh consider to be an economic necessity?

- *a) a little "something"
- b) a trap for heffalumps
- c) Eeyore's tail
- d) Roo's strengthening medicine

38. To make 500 racks, the costs were these: material, \$665.87; labor, \$1,330.74; factory overhead, \$163.39. Find the average factory cost of each rack.

Answer: \$4.32

39. Which one of the four of Newton's laws states that $F = m \times a$

- a) first law
- *b) second law
- c) third law
- d) law of universal gravitation

40. Who was President of the U.S. when the Wright Brothers made their historic first flight?

Answer: Teddy Roosevelt

For the next four questions use Handout 8-2-4

41. Using the handout on Trade and Foreign Exchange, which of the following three suppliers would offer you the lowest price on the slacks?

- *a) Montreal
- b) New York
- c) Mexico City

42. From which supplier would you buy the Jeans to secure the lowest price?

- a) Montreal
- b) New York
- *c) Mexico City

Answer Key 8-2-3

7265 South 5th Street
Lakeland, FL 33801
April 4, 1988

Advance Fashions, Inc.
2221 Nineteenth Street
Atlanta, Georgia 30314

Gentlemen:

I ordered a sweater, a dress and two pairs of pants from your company in February.

When I received my order last Wednesday, the package was torn; and my dress was missing.

I'm enclosing a copy of your invoice. Please replace the missing dress.

Thank you.

Sincerely,

Set 2

(1987-88)

Mary Jones

Set 2

(1987-88)
Handout 8-2-3

Team # _____

The following letter contains twenty errors in punctuation, capitalization and spelling. You may make only twenty corrections on the letter. Each proper correction will be worth 1 point. If you make more than twenty corrections, only the first twenty will be counted.

7265 south 5th street
Lakeland, FL 33801
April 4. 1988

Advance Fashions, inc.
2221 Nineteenth street
Atlanta Georgia 30314

Gentlemen;

I ordered a sweater a dress and two pares of pants from your company in Febuary.

When i recieved my order last wednesday the package was torn and my dress was missing.

Im enclosing a copy of your invoyce. Please replace the missing dress.

Thank you.

sincerely

Mary Jones

Set 2

(1987-88)

Set 2

(1987-88)

43. From which supplier would you buy the Jeans if a 20% Tariff was charged on imported cotton products?

- a) Montreal
- *b) New York
- c) Mexico City

44. Which supplier would you buy Jeans from if the U.S. dollar was devalued by 30% against the Mexican peso and the Canadian dollar?

- a) Montreal
- b) New York
- *c) Mexico City

45. Who was President of the U.S. when we first landed a man on the moon?

Answer: Richard Nixon

46. Complete the analogy with one of the four given choices:

Borrow is to lend as luxuriant is to _____.

- a) festive
- b) contrite
- *c) stunted
- d) haughty

47. Using an energy pyramid of a typical food chain, which of the three levels is made up of the most organisms?

Answer: Base or bottom

48. Using the information from the previous question, if you are omnivorous at which level of the pyramid would you find your energy?

Answer: top

For the next four questions, identify which one of the following literary devices (alliteration, symbolism, metaphor, personification, or hyperbole) best explains each line of poetry:)

49. "Two roads diverged in a yellow wood."

Answer: Symbolism

50. "The silken, sad uncertain rustling of each purple curtain"

Answer: Alliteration

51. "Time had whittled down to mere hills."

7A-10/

Set 2

(1987-88)

Answer: Personification

52. "Life is a broken-winged bird that cannot fly."

Answer: Metaphor

53. Identify the president with the following nicknames:

1. Old Hickory
2. Honest Abe
3. Tippecanoe
4. Tricky Dick

Answer: 1. Andrew Jackson
2. Abraham Lincoln
3. William Henry Harrison
4. Richard Nixon

54. Mr. and Mrs. Jones and their 5-year old child took a round trip flight to visit relatives. The adult one-way fare was \$250. The child's fare was 70% of the adult fare. There was a 5% tax on the plane fare. Find the total round trip travel costs for the family of three.

Answer: \$1,417.50

Fill in the blank.

55. A famous literary bird lost his nest egg in the stock market as a result of this he decided to give up investing forever. Time Magazine interviewed him and came up with a well know quote for a headline.

Quoth the Raven _____.

Answer: Nevermore

56. Place the following four items in chronological order by letter.

- a) Congress granted S.F.B. Morse \$30,000.
- b) William McKinley inaugurated as President.
- c) Reagonomics was implemented.
- d) Robert La Follette promoted the concept of G.N.P. as a measure of national growth.

Answer: a, b, d, c

57. Match the following four elements to the color of flame given off when they burn.

- | | |
|--------------|---------------|
| 1. copper | A. red |
| 2. potassium | B. blue-green |
| 3. sodium | C. yellow |
| 4. strontium | D. violet |

Set 2

(1987-88)

Answer: 1 - B copper--blue-green
2 - D potassium--violet
3 - C sodium--yellow
4 - A strontium--red

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

- a) See-Threepio becomes a famous character.
- b) The Rise and Fall of the Third Reich is published.
- c) Gen. Erwin Rommel (the Desert Fox) leads his tank corp into Libya.
- d) Lucky Lindy flies 23600 miles in 33 1/2 hours.

Answer: d, c, b, a

59. Letter scramble: Rearrange all of the letters to form an economic term.

khtoscderlo

Answer: stockholder

60. Wilson Corporation purchased a new computer to record business transactions with clients in other states. The computer program files clients by state using the two letter postal abbreviation. Identify the abbreviations needed to be keyed in to identify the following four states.

- a) Maine
- b) Missouri
- c) Wisconsin
- d) Washington

Answer: a) Me
b) Mo
c) Wi
d) Wa

End of 15-point questions

Begin 30-point team questions

Instructions: Give each team 4 copies of handout 8-2-5.

Read: Do not turn over the handouts until you are told to begin. This team question is worth 30 points. Each question is worth 6 points. You will be given 3 minutes. Identify one handout as a team answer sheet.

Set 2

(1987-88)

Handout 8-2-4

PROBLEM

Imagine that you are the owner of **Pants Palace**. You must decide where to buy 300 slacks and 300 jeans. After a great deal of research, you have located three suppliers, one each in New York, Mexico City, and Montreal. The products from all 3 suppliers are of similar design and quality, and would sell for the same prices in your store.

| | SUPPLIER | PRICE* - SLACKS | |
|-----------------------|----------------|--------------------------|-----|
| | PRICE* - JEANS | | |
| 12.50 | New York | \$ 10.00 | \$ |
| pesos | Mexico City | 250 pesos | 274 |
| 13.20 Canadian dollar | Montreal | \$ 10.70 Canadian dollar | \$ |

*Wholesale prices including packaging and shipping.

Exchange Rate: Mexican peso = \$.04 U.S.
 Canadian dollar = \$.85 U.S.

Set 2

(1987-88)

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. \$40,000
 2. March
 3. \$2,000
 4. February
 5. January

Tie Breaker (If scores are tied have a two minute break before the question is asked.)

1. Two word letter scramble. Rearrange all of the letters to form an economic term.

First word: e e e a l b r n w
Second word: e e s r r c u o s

Answer: renewable resources

2. Which one of the following four stands to benefit the most if a ceiling is placed on the interest rates commercial banks can pay?

- a) automobile industry
- b) clothing industry
- *c) construction industry
- d) shipping industry

Set 2

(1987-88)

Handout 8-2-5

Team # _____

Use the graph below to answer the questions. Each question is worth 6 points.

1. How much were the sales each month?

2. In which month were operating expenses highest?

3. What was the lowest net income for a month?

4. In which month was net income highest?

5. In which month were operating expenses and income only \$8,000 apart? _____