

E-Team questions
7th Grade

Begin 5-point questions

1. Letter scramble: Use all of the letters to identify an economics term.

c n d e r p a i i t o e

Answer: depreciation

2. Arrange the following five phases of mitosis in proper order: Anaphase, Interphase, Metaphase, Prophase, Telophase.

Answer: 1 - Interphase, 2 - Prophase, 3 - Metaphase
4 - Anaphase, 5 - Telophase

(Interphase can be at either end of order.)

3. Simplify:

$$\frac{\frac{1}{3} + \frac{1}{6}}{\frac{3}{6} - \frac{1}{6}} \quad (\text{Read: one-third plus one-sixth divided by one-third minus one-sixth.})$$

Answer: 3

4. Name the one city that is home to the following four tourist attractions:

Adler Planetarium
The EL
Field Museum of Natural History
Sears Tower

Answer: Chicago

5. The opposite of outcome is income. True or False.

Answer: False

6. Complete the following analogy:

Lenin is to Russia as Mao is to _____.

Answer: China

7. Foreign is to alien as:

Answer: *1. peaceful:calm
2. wet:dry
3. soft:hard

8. You are ordering 3 items of the following weights: 3 kilograms, 12 kilograms, and 82 kilograms. The postage is 15 cents per kilogram. What is the total postage for your order?

Answer: \$14.55

9. Place the following four presidents in chronological order by letter.

- a. William Henry Harrison
- b. James Garfield
- c. John Adams
- d. Abraham Lincoln

Answer: c, a, d, b

10. Fill in the blank with affect or effect.

The _____ of the stock market crash has not yet been fully analyzed.

Answer: effect

11. Match the following parts of plants to their definition.

- | | |
|---------------|--|
| 1. Phloem | A. Root system having one large root. |
| 2. Root Hairs | B. Tissue that transports water upward through plant. |
| 3. Taproot | C. Tissue that transports food downward through the plant. |
| 4. Xylem | D. Part through which water is first absorbed. |

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

12. Unscramble the following "poetry" term.

K i u a h

Answer: Haiku

End of 5-point round

Begin 10-point team question

Instructions: Give each team 4 copies of Handout 7-2-1 and Handout 7-2-1A

Read: Do not turn over the handouts until you are told to begin. This team question is worth 10 points. Each question is worth two 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. \$125,920
2. \$42,840
3. No
4. \$172.80
5. \$61,248.60

Handout 7-2-1

Team # _____

1. Mr. and Mrs. Murgatroyd decide to buy a new home for \$50,000. They pay \$10,000 down and finance the rest at 9% annual interest on a 30-year mortgage. Using the following table, compute how much they will actually pay for their house, including interest, over the 30-year life of the mortgage.

2. How much would Mr. and Mrs. Murgatroyd save on the total cost of their house if they financed at the same interest rate on a 15-year mortgage instead of the 30-year mortgage? _____
3. According to a formula that the bank uses, Mr. and Mrs. Murgatroyd should use no more than 20% of their gross income for monthly mortgage principal and interest payments. If their monthly gross income is \$1,875, could they qualify for the monthly payments on the 15-year loan?

4. Mr. and Mrs. Murgatroyd decided to go with the 30-year loan. Before the time to close the loan, the interest rate rose 1/2%. How much did this increase their yearly payment? _____
5. How much money is saved on interest if you finance \$50,000 at 10% for 15 years instead of 30 years? _____

Two minute break (substitutions)

Announce scores

Begin 10-point questions

13. What is the cost of a dozen ears of corn if corn is marked 8 ears for \$1.20?

Answer: \$1.80

14. Three astronauts left Cape Kennedy for a two-week vacation when their launch date was indefinitely postponed. One went skiing near Aspen, one went snorkeling at Key Largo, and one went hiking on Mt. Rainer. Each agreed to be available for conference calls from 9 - 12 their time on week days. At what hour will mission control in Houston have to call in order to get all three at once?

Answer: 11:00

15. Which one of the following is the best definition for the term "Real Estate"?

- a) land only
- *b) land and buildings
- c) buildings only

16. The use of scientific knowledge to serve human needs is called _____.

Answer: technology

17. John Maynard Keynes is quoted as saying that fluctuations on the stock market are "driven by animal spirits." What two animals are used to describe the market?

Answer: bear, bull

Use handout 7-2-2 for the next three questions.

18. What position does this article take on the subminimum wage for teenagers?

- *a) opposes
- b) supports
- c) uncertain
- d) no opinion

19. According to this article, who supports a subminimum wage?

- a) Sol C. Chaikin
- b) Walter W. Williams
- *c) the Reagan administration
- d) Warren Dupré

20. According to the article, the fast-food industry is which one of the following four

- a) shrinking
- *b) expanding
- c) stable
- d) bankrupt

21. Fill in the two blanks with either less or more according to Keynesian economics. During times of sluggish productivity the government should tax _____ and spend _____.

Answer: less, more

22. Which one of the following four responses does not belong in a definition of mass production:

- a) standardization
- b) efficiency
- c) specialization
- *d) creativity

23. A Wall Street broker set up a conference call at 1:00 p.m. EST with associates in Dallas, Phoenix, and San Francisco. At what time was this call received in each location?

Answer: Dallas 12:00
Phoenix 11:00 a.m.
San Francisco 10:00 a.m.

24. Out of his \$10 allowance, Joe spent 1/5 of his allowance for school supplies, 1/4 of his allowance for refreshments, and 1/2 of his allowance for entertainment. How much money does he have left at the end of the week?

Answer: \$.50

25. The development of computers has taken more than 100 years. True or False.

Answer: True

26. Match each of the following four American inventors with his invention.

Inventors

- 1) Thomas Edison
- 2) Elisha G. Otis
- 3) Linus Yale
- 4) Gordon Gould

Inventions

- a) passenger elevator
- b) laser
- c) cylinder lock
- d) phonograph

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

Handout 7-2-2

"The age that works in fast food is shrinking rapidly, just as the industry is expanding observes Warren Dupré.

The National Institute for Work and Learning found that while most fast-food workers enjoy their jobs and are proud to be working in the industry, there is widespread feeling among fast-food employees that the pay is too low and the hours of paid work too short. The institute's analysis found that the average wage was \$3.69 an hour, with the average number of hours worked totalling 20_ per week.

The result of the study cast doubt on the value of setting a below-minimum wage for young persons, as the Reagan administration has suggested. The jobs are going begging even at the minimum wage or higher."

From U.S. News and World Report, July 8, 1985.

27. Fill in the blank: The father of modern rocketry was _____.

Answer: Robert Goddard

28. All federal judges are appointed for life by the President and must be confirmed by the Senate. True or False.

Answer: True

29. Which of the following novels was not written by Charles Dickens:

- *1. The Scarlet Letter
- 2. Christmas Carol
- 3. Oliver Twist
- 4. A Tale of Two Cities

Answer: The Scarlet Letter was written by Nathaniel Hawthorne

30. List six of the seven Roman numerals

Answer: I. V. X. L. C. D. M.

For the next three questions, use the following information:

Mutt and Jeff are partners in a house-painting business and have agreed to a 60/40 split, respectively. They arranged a small business loan for \$15,000, bought a truck for \$10,000 and equipment worth \$3,000. The remaining cash on hand after buying \$1,500 of supplies is \$1,800.

31. What is the total value of the capital goods purchased with the loan?

Answer: \$13,000

32. How much are their total assets worth?

Answer: \$16,300

33. What is Mutt's profit for a single month if the business yearly profit is \$60,000?

Answer: \$3,000

34. Unscramble the following word describing some animals that live deep in the sea.

T C N L B N S I O E E M U I

Answer: Bioluminescent

35. Rivalry is to competition as consumption is to _____.

- a) production
- b) specialization
- c) innovation
- *d) tuberculosis

End of 10-point round

Begin 20-point team question

Instructions: Give each team 4 copies of handout 7-2-3

Read: Do not turn over the handouts until you are told to begin. This team question is worth 20 points. Each question is worth 4 points. You will be given 2 minutes. Identify one handout as team answer sheet.

Begin

2 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. simple
 - 2. one
 - 3. New Madrid, Mo.
 - 4. California
 - 5. \$5,000

Handout 7-2-3

Team # _____

1. Is the first sentence in the first paragraph simple or complex?

2. Of the cities listed as strongest earthquakes, how many are located east of the Mississippi River? _____
3. In what city have the most earthquakes occurred? _____
4. From the earthquakes listed in the lower 48 states, which state has had the most earthquakes?
5. If the emergency relief fund provides \$60 million to be equally divided among the homeless of Whitter, what would be each person's share?

Two minute break (substitutions)

Announce scores

Begin 15-point questions

36. Which one of the following four authors is known as the master of irony as a literary device.
- a) Robert Frost
 - b) J. D. Salinger
 - c) Edgar A. Poe
 - *d) O. Henry
37. Which one of the following four scientists was not part of the scientific revolution that took place during the 16th and 17th centuries?
- *a) Archimedes
 - b) Copernicus
 - c) Galileo
 - d) Kepler
38. You are going on a three-day trip covering 244 miles and you plan to use \$14.95 for gasoline. Which one of the following three rates will be the least expensive for you.
- a) standard rate of \$26.80 per day, 15 cents per mile, plus gas
 - *b) unlimited mileage rate of \$35 a day plus gas
 - c) special rate of \$20 per day and 20 cents a mile plus gas
39. Which one of the following four uses quotation marks instead of underlining?
- a) books
 - b) newspapers
 - c) magazines
 - *d) poems
40. Which one of the following four choices best explains why professional baseball stars earn more than steel workers or even lawyers?
- a) sports are vital to the economy
 - b) baseball is a national sport
 - *c) good athletes are scarce and their services are in great demand
 - d) players have a powerful national bargaining agent
41. Complete each of the following three expressions with one word that also has an economic meaning:
- _____ revenue
 - _____ expert
 - _____ cut
- Answer: tax

For the next three questions use the following information

In July, Nancy, an experienced knitter, entered Gretchen's "Knit and Needle Shop." She was pleased to see the following sign:

"Chunky" all wool yarn - was \$7.00; now \$1.75
"Softspun" nylon baby yarn - was \$3.00; 25% off
"Sporty" orlon yarn - was \$4.50; 1/3 off
All knitting needles, stitch holders and books reduced - price as marked

Anticipating a need for Christmas gifts, Nancy selected 7 skeins of green and 7 skeins of blue "Chunky" yarn. Then she decided to purchase 6 skeins of the orlon yarn and 10 skeins of the baby yarn.

42. What is the percentage of savings on the "Chunky" yarn?

Answer: 75%

43. What is the sale price of the baby yarn?

Answer: \$2.25

44. Gretchen's misjudgement of the Florida market best describes the need for the reduction of which of the three yarns?

Answer: "Chunky" - wool yarn - warmth not needed in Florida climate

45. Which one of the following four is the name of the vast desert that covers Saudi Arabia?

- a) Namib (na mib)
- *b) Rub al Khali (rube abl Kolly)
- c) Kalahari (Kal a har ee)
- d) Nubian (new bee in)

46. Correctly spell the word "children's" in the following sentence "The children's jackets were new."

Answer: children's

47. If a truck driver takes the shortest route from Miami to Los Angeles, name 6 of the 8 states through which he will pass.

Answer: (any six) Florida, Alabama, Mississippi, Louisiana, Texas, New Mexico, Arizona and California

For the next four questions, identify the author of the following literary works:

48. Gift of the Magi

Answer: O. Henry

49. Twenty Thousand Leagues Under the Sea

Answer: Jules Verne

50. Tell-Tale Heart

Answer: Edgar Allen Poe

51. Treasure Island

Answer: Robert Louis Stevenson

52. If the Federal Reserve Board reduces the reserve requirement, will this reduce or increase excess reserves?

Answer: increase

53. Three word letter scramble. Rearrange the following letters to form 3 economic terms. Name any two of the three.

1. vrrspoeigse
2. srevgserei
3. orinlpptaroo

Answer:

1. progressive
2. regressive
3. proportional

54. As a result of Upton Sinclair's book The Jungle, the government began to regulate which one of the following four industries?

- *a) meat packing
- b) public utilities
- c) automobiles
- d) oil

Begin

4 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. Harry - GE fell 8 points
 2. Bessie - Exxon fell $10 \frac{1}{2}$ points
 3. Lee - IBM fell $31 \frac{3}{4}$ points
 4. Boris - AT&T fell $6 \frac{3}{8}$ points
 5. Julia - Ford fell $15 \frac{1}{4}$ points

Handout 7-2-4

Harry, Bessie, Lee, Boris, and Julia lost money when their stocks dropped on October 19, 1987. They owned stock (not necessarily in this order) in IBM, Exxon, AT&T, GE, and Ford.

Determine who owned which stock and how many points each fell, using the grid and the following clues:

Harry _____

Bessie _____

Lee _____

Boris _____

Julia _____

IBM _____

Exxon _____

AT&T _____

GE _____

Ford _____

1. Harry belonged to a religious sect which was opposed to fossil-fuel-powered transportation (though not to other technology), and his stock purchases reflected this. _____
2. The owner of the IBM stock fainted when she learned her stock fell almost twice as many points as Boris'. _____
3. Since Lee's stock fell more than 11 points, she had to sell her house. (She didn't have a car to sell, being an advocate of public transportation.) _____
4. Bessie felt lucky she wasn't the biggest loser and was glad she'd invested in oil. Boris pointed out that his stock had proved the least risky. _____
5. Julia's stock fell from 84 1/4 to 69; the men said, "Thank goodness the phone and utilities stocks didn't lose so much!"

6. Harry's 10 shares dropped in value from \$32.00 to \$24.00 and he quipped, "Too bad my electric bill won't go down to match!"

-31 3/4

-15 1/4

-10 1/2

-8

-6 3/8

IBM

Exxon

AT&T

GE

Ford

Handout 7-2-4a

1. Harry _____ = _____
stock points

2. Bessie _____ = _____
stock points

3. Lee _____ = _____
stock points

4. Boris _____ = _____
stock points

5. Julia _____ = _____
stock points

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

1. The dietician recommends that Sam eat 6 ounces of meat each day. In 4 weeks how many pounds of meat will Sam eat?

Answer: 10 1/2 pounds

Set 2
(1987-88)