

1990 Polk County E-Team  
8th Grade

Begin 5-point question round.

- ECON** 1. Supply the two missing words in the following definition.
- \_\_\_\_\_ are goods which are consumed by everyone.
- Answer: Public goods
- HIST** 2. Which one or ones of the following four inventions were perfected to practical usage before the Civil War?
- A. light bulb  
\*B. reaper  
C. radio  
\*D. steam engine
- ECON** 3. I will give you every other letter of an economics term. Identify the term.
- \_\_ U \_\_ R \_\_ N \_\_ Y
- Answer: currency
- MATH** 4. Hatchazuki makes a car that gets 60 miles per gallon. If gasoline costs \$1.00 per gallon, how much would gasoline cost for a 1500-mile trip?
- Answer: \$25
- ECON** 5. Which one of the following four statements is correct according to the law of demand?
- A. There is a direct relationship between price and quality.  
\*B. A smaller quantity will be demanded when the price is high.  
C. A larger quantity will be demanded when the price is high.  
D. People are not influenced by other factors such as advertising.
- GEOG** 6. Give the name of the continent which has no countries on it.
- Answer: Antarctica
- MATH** 7. Fill in the blank in the following statement with the word sometimes, never, or always.
- The median of a set of numbers is \_\_\_\_\_ greater than the mean.
- Answer: sometimes

**ECON** 8. Which one of the following four is not a non-renewable resource?

- A. copper
- \*B. wheat
- C. gold
- D. iron

**ECON** 9. Letter scramble. Unscramble the following letters to form an economics term. Identify the term.

O, M, I, O, T, M, D, C, Y

Answer: commodity

**ENG** 10. Which one of the following four punctuation marks does not belong with the other three?

- A. comma
- \*B period
- C. semicolon
- D. colon

(Note: It is an end mark.)

**HIST** 11. Columbus became wealthy after discovering gold and silver in the New World. True or false?

Answer: false

**ECON** 12. Which one of the following four is shown in a circular flow model?

- A. Complex systems of money management emerge.
- B. Legal complications minimize money problems.
- \*C. Businesses use land, labor and capital to produce goods.
- D. Legal monetary problems ease production.

**MATH** 13. What time is it if the following two statements are true?

- The hands of the clock are 60° apart.
- The time is after dusk and before midnight.

Answer: 10:00 p.m.

**ECON**

14. Letter scramble. Rearrange the following letters to form a two-word economics term.

First word: A E S L U B T O  
Second word: A A A E T D V N G

Answer: absolute advantage

**MATH** 15. Which one or ones of the following four polygons are necessarily parallelograms?

- \*A. squares
- \*B. rectangles
- \*C. rhombi (or rhombuses)
- D. quadrilaterals

**SCI** 16. Which one of the following four pieces of equipment would a scientist use to record vibrations in the earth?

- A. bathyscaph
- B. microscope
- \*C. seismograph
- D. telescope

**ECON** 17. I will give you every other letter of an economics term. Identify the term.

\_\_ A \_\_ R \_\_ E \_\_ O \_\_ O \_\_ I \_\_ S

Answer: macroeconomics

**MATH** 18. If the Beaumont Bakery is operative twenty-four hours a day, seven days a week and produces 200 loaves of bread per hour, what is the maximum number of loaves it can produce in one week?

Answer: 33,600

**HIST** 19. Which one of the following four was the leader of the Underground Railway before the Civil War?

- A. Harriet Beecher Stowe
- B. Sojourner Truth
- C. Cecily Tyson
- \*D. Harriet Ross Tubman

**ECON** 20. What three-word economics term is defined as the nation's expenditure on all final goods and services produced during the year?

Answer: gross national product

**End of 5-point round. Begin 10-point team question.**

**Read: For this team question you will be given Handout 8-1-1.**

**Do not distribute the handouts until you are instructed to do so. This team question is worth 10 points. Each question is worth 2 points.**

**You will be given 3 minutes. Please identify one handout as your team answer sheet in the upper left-hand corner.**

**Begin. (Time 3 minutes.)**

**STOP!**

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

**Handout 8-1-1**  
**Team #** \_\_\_\_\_

Use the graph below to answer the questions.

1. At a price of \$5.50 how many records and tapes would be supplied?

\_\_\_\_\_

2. At what price are the quantity supplied and the quantity demanded equal and what is this price called?

\_\_\_\_\_

\_\_\_\_\_

3. What will happen to the equilibrium price if the supply curve shifts to the right?

\_\_\_\_\_

4. What will happen to the demand curve if there is a sudden decrease in the demand for records and tapes?

\_\_\_\_\_

5. Within what price range will a shortage of records and tapes exist?

\_\_\_\_\_

**Read answers: (2 points each)**

1. 8 million
2. \$6.25 (1 point)  
equilibrium price (1 point)  
(accept market clearing price)
3. decrease (accept lower)
4. shift to the left
5. 0 to \$6.24 (accept below \$6.25)

**Announce scores from team question.**

**Two-minute break.**

**Announce scores after the round.**

**Begin 10-point question round.**

- ENG** 21. Complete the following analogy using one of the four given choices.

Benefit is to liability as dissonance is to

- A. disparity
- B. compassion
- C. repetition
- \*D. harmony

- ECON** 22. Letter scramble. Unscramble the following letters to form a two-word economics term. Identify the term.

First word: T, L, E, E, R, N, E, I, P, R, R, A, U, N, E

Second word: L, I, A, I, T, B, Y

Answer: entrepreneurial ability

- MATH** 23. Which one of the following four expressions represents the smallest number?

- A. 78 times 46 plus 22 times 46
- B. the product of the largest two prime numbers less than 50
- C. 5 cubed times 2 cubed
- \*D. the positive square root of 90,000

- HIST** 24. Match each of the four inventions to its inventor.

| <u>Inventions</u>     | <u>Inventors</u>     |
|-----------------------|----------------------|
| 1. steel plow shearer | A. Eli Whitney       |
| 2. cotton gin         | B. Samuel Colt       |
| 3. revolver           | C. John Deere        |
| 4. telegraph          | D. Samuel F.B. Morse |

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

(Source: Cole Handbook, p. 109)



Handout 8-1-2

- ENG** 32. Complete the following statement using one of the four given choices.

Honey is gathered from \_\_\_\_\_.

- \*A. apiaries
- B. aviaries
- C. topiaries
- D. cemeteries

- ECON** 33. Word scramble. Unscramble the following words to form the definition of an economics term. Spell the term.

economic, of, inflation, a, stagnation, and, combination

Answer: S-T-A-G-F-L-A-T-I-O-N (a combination of inflation and economic stagnation)

- SCI** 34. In which one of the following four ocean zones would you be likely to find a species of seaweed which has holdfast?

- A. tide zone
- B. oceanic zone
- \*C. shore zone
- D. neritic zone

- ECON** 35. What ten-letter economic term can be spelled by rearranging the two-letter U.S. Postal Service abbreviations for the states of Connecticut, Illinois, Iowa, Mississippi and Pennsylvania?

Answer: capitalism (Note: CT/IL/IA/MS/PA)

- ECON** 36. Which one of the following four groups functions to provide a legal system, promote competition, correct externalities, produce public goods and stabilize the economy?

- \*A. government
- B. consumers
- C. producers
- D. political institutions

- MATH** 37. Mark Manly, the assistant manager of a small grocery store, earns eight times as much as Bobby Bagly, the bag boy. If the sum of their salaries is \$13,500, how much does Mark Manly earn?

Answer: \$12,000

- ECON** 38. Which one of the three taxes, proportional, progressive or regressive, is described in the following situation?

Jim pays a tax of \$400 on an income of \$4,000, and Tim pays \$660 in tax on \$6,000, and Fran pays \$960 in tax on \$8,000.

Answer: progressive

**ECON 39.** Complete the following analogy using one of the four given choices.

\_\_\_\_\_ is to monthly pay rate as wages are to \_\_\_\_\_ pay rate.

- A. income - monthly
- \*B. salary - hourly
- C. earnings - weekly
- D. commission - yearly

**ECON 40.** A transfer payment is a payment by the government to an individual, for which no good or service is exchanged in the current time period. True or false?

Answer: true

**End of 10-point round.**

**Begin 20-point team question.**

**Read:** For this team question you will be given Handout 8-1-3.

**Do not distribute the handouts until you are instructed to do so. This team question is worth 20 points. Each question is worth 2 points.**

**You will be given 2 minutes. Please identify one handout as your team answer sheet in the upper left-hand corner.**

**Begin. (Time 2 minutes.)**

**STOP!**

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

**Read answers: (2 points each)**

- 6 Bolivia
- 5 Chile
- 12 Ecuador
- 7 French Guiana
- 9 Guyana
- 2 Paraguay
- 13 Peru
- 8 Surinam
- 3 Uruguay
- 10 Venezuela

**Announce scores from team question.**

**Two-minute break.**

**Announce scores after the round.**

**Handout 8-1-3**  
**Team # \_\_\_\_\_**

Match the name of the country to the correct number on the map.

\_\_\_\_\_ Bolivia

\_\_\_\_\_ Chile

\_\_\_\_\_ Ecuador

\_\_\_\_\_ French Guiana

\_\_\_\_\_ Guyana

\_\_\_\_\_ Paraguay

\_\_\_\_\_ Peru

\_\_\_\_\_ Surinam

\_\_\_\_\_ Uruguay

\_\_\_\_\_ Venezuela

**Begin 15-point question round.**

- ECON** 41. Fill in the blank with the one missing economics term. The ability to convert an asset into cash easily and quickly is known as \_\_\_\_\_.

Answer: liquidity

- MATH** 42. What is the length in feet of a diagonal of a rectangle with dimensions twenty feet and fifteen feet?

Answer: 25

- GEOG** 43. Match each of the four islands with the continent to which it belongs.

| <u>Islands</u> | <u>Continents</u> |
|----------------|-------------------|
| 1. Greenland   | A. Africa         |
| 2. Galapagos   | B. Asia           |
| 3. Sri Lanka   | C. North America  |
| 4. Madagascar  | D. South America  |

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

(Source: Amsco Mastering Geography, Regions and Concepts, pp. 151, 152, 510)

- ECON** 44. The Federal Reserve System is a branch of the Federal government. True or false?

Answer: false

- ECON** 45. To which one of the following four topics in economics does the ability to pay principle refer?

- A. consumer purchases
- B. setting consumer prices
- \*C. taxes
- D. interest and saving

**For the next three questions you will be given Handout 8-1-4. Do not distribute these until you are instructed to do so.**

- SCI** 46. Which one of the two graduated cylinders contains the larger volume of liquid?

Answer: cylinder A

- SCI** 47. Fill in the blank.

The liquid in a graduated cylinder will have a curved surface called a \_\_\_\_\_.

Answer: meniscus

Handout 8-1-4

- SCI** 48. Graduated cylinder A contains an element that is a liquid at room temperature. Name the element.

Answer: Mercury

- MATH** 49. Which one of the following three sets of fractions is arranged in increasing order?

A.  $\frac{7}{12}, \frac{6}{11}, \frac{3}{5}, \frac{5}{8}$

B.  $\frac{6}{11}, \frac{7}{12}, \frac{5}{8}, \frac{3}{5}$

\*C.  $\frac{6}{11}, \frac{7}{12}, \frac{3}{5}, \frac{5}{8}$

**For the next two questions use the word, market, command or traditional to describe the economy in which the given situation would exist.**

- ECON** 50. Because of a late spring freeze, the apple crop was very small. As a result the price of apples, apple juice, applesauce and all related products went up dramatically.

Answer: market

- ECON** 51. During the Middle Ages serfs farmed the land because that is what they had always done. Nobles collected a percentage of the goods and services produced because that is what they had always done.

Answer: traditional

- ENG** 52. Complete the statement using one of the four given choices.

If you are practical, you might be said to be \_\_\_\_\_.

- A. chimerical  
\*B. pragmatic  
C. contumacious  
D. apocryphal

- MATH** 53. Barney has thirty coins in his pocket--all quarters, dimes and nickels. If he has twice as many dimes as quarters, and the total value of the coins is \$3.60, how many quarters does he have in his pocket?

Answer: 7 (Note: There are 14 dimes and 9 nickels.)

**For the next five questions you will use Handout 8-1-5. Do not distribute these until you are instructed to do so.**

- ECON** 54. How much money did John earn before taxes or voluntary contributions were deducted?

Answer: \$480.00

**ECON** 55. What do we call the amount of money John earned after all deductions were made?

Answer: net pay (accept: disposable income)

**ECON** 56. To the nearest whole percent, what portion of John's income was deducted for federal withholding tax?

Answer: 15%

**ECON** 57. To the nearest whole percent, what portion of John's gross pay is deducted?

Answer: 34% (accpet: 32%)

**ECON** 58. John works 50 weeks each year and is paid biweekly. If he contributes \$10.00 each pay check for savings bonds, what will the total deduction be for bonds for the year?

Answer: \$250.00

**ECON** 59. Identify each of the following four as land, labor or capital.

1. field hands
2. farm acreage
3. farm machinery
4. barn

Answer: 1. labor, 2. land, 3. capital, 4. capital

**MATH** 60. To the nearest tenth, how many cubic yards of concrete are needed to pave a walkway three feet wide, sixty feet long and three inches thick?

Answer: 1.7

**End of 15-point round.**

**Begin 30-point team question.**

**Read: For this team question you will be given Handouts 8-1-6 and 8-1-6a.**

**Do not distribute the handouts until you are instructed to do so. This team question is worth 30 points. The value of each question is printed on the handout.**

**You will be given 6 minutes. Please identify one handout as your team answer sheet in the upper left-hand corner.**

**Begin.**

**Time 6 minutes.**

**STOP!**

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

Handout 8-1-5

**Handout 8-1-6**  
**Team # \_\_\_\_\_**

Valentino, Honey, Candy, Tootsie, and Romeo; whose last names are Goodbar, Mallomar, Hershey, Whitman, and O'Henry, went to a Valentine's Day dance in a group. Each wore something associated with the holiday, each ate a different snack, and each came from a different small town. They wore: a charm bracelet, a heart pendant, a red bow tie, a pair of heart-printed boxer shorts, and some cupid earrings. The snacks were: dates, heart candy, a Whitman's sampler, red velvet cake and lollipops. They came from Lover's Leap, Passion Pit, Heartland City, Sweetheart Village and Romantic Gulch.

1. Romeo and O'Henry took Candy and Mallomar with them. Tootsie said that if she could join these two couples, she'd share her dates.
2. The man from Romantic Gulch told Hershey it was a shame his Valentine's apparel didn't show. Romeo replied that back home in Passion Pit it wasn't necessary to display one's heart.
3. The girl with the cupid earrings enjoyed her red velvet cake and decided to get the recipe for her mother back home in Sweetheart Village. Candy said she was happy with her lollipops.
4. Goodbar wore the charm bracelet (full of charms from Lover's Leap). Her date's red bow tie was a big hit, and he passed out candies imprinted "Oh, you kid."
5. The girl from Lover's Leap ate her lollipops, and Whitman showed off her heart pendant.

**Complete the table below. You will receive 2 points for each correct piece of information supplied.**

| <u>First Name</u> | <u>Last Name</u> | <u>Item Worn</u> | <u>Snack</u> | <u>Hometown</u> |
|-------------------|------------------|------------------|--------------|-----------------|
| Valentino         | _____            | _____            | _____        | Romantic Gulch  |
| Honey             | Mallomar         | _____            | _____        | _____           |
| Candy             | _____            | _____            | lollipops    | _____           |
| Tootsie           | _____            | _____            | _____        | _____           |
| Romeo             | Hershey          | boxer shorts     | _____        | _____           |

Handout 8-1-6a

Read answers: (2 points each for underlined words)

|           |                |                       |                          |                           |
|-----------|----------------|-----------------------|--------------------------|---------------------------|
| Valentino | <u>O'Henry</u> | <u>bow tie</u>        | <u>heart candy</u>       | Romantic Gulch            |
| Honey     | Mallomar       | <u>cupid earrings</u> | <u>red velvet cake</u>   | <u>Sweetheart Village</u> |
| Candy     | <u>Goodbar</u> | <u>charm bracelet</u> | lollipops                | <u>Lover's Leap</u>       |
| Tootsie   | <u>Whitman</u> | <u>heart pendant</u>  | <u>dates</u>             | <u>Heartland City</u>     |
| Romeo     | Hershey        | boxer shorts          | <u>Whitman's Sampler</u> | <u>Passion Pit</u>        |

Announce scores from team question.

Teams should remain seated until final scores are computed.

Announce scores.

If scores are tied, have a two-minute break before beginning the tie breaker question. Only the teams whose scores are tied will compete.

#### Tie Breaker Questions

**ECON** 1. Fill in the blank with the one missing word.

The lockout is the management counterpart of a labor \_\_\_\_\_.

Answer: strike

**HIST** 2. What one word do each of the following three phrases have in common?

third-\_\_\_\_\_ countries  
\_\_\_\_\_ Health Organization  
Trans \_\_\_\_\_ Airlines

Answer: world

**ECON** 3. Fill in the blank with the one missing word.

The market clearing price is another name for the \_\_\_\_\_ price.

Answer: equilibrium