

2012 Polk County 5<sup>th</sup> Grade E-Team

**Introduce yourself. Thank the host school. Have the team coaches introduce themselves and their team members. The two teams with the highest scores will compete in the final round.**

**Begin 5-point question round.**

**ECON** 1. Letter scramble. Unscramble the following letters to form an economic term from your glossary.

E, I, R, D, T, C

Answer: credit

**ECON** 2. Identify the six-letter economic term from your glossary which is a synonym for wages.

Answer: salary

**ECON** 3. Identify the economic term from your glossary defined as what someone must make when faced with two or more alternative uses for a resource.

Answer: (economic) choice

**ECON** 4. Spell the seven-letter economic term from your glossary which means to buy and/or use goods and/or services.

Answer: c-o-n-s-u-m-e

**ENG** 5. Which two of the following three pairs of words are not synonyms?

1. notify, inform
- \* 2. explicit, vague
- \* 3. similarity, difference

**ECON** 6. Identify the economic term defined as protection against the risk of large losses.

Answer: insurance

**SCI** 7. Fill in the blank in the following sentence with the missing science term:

A/an (blank) is a systematic method for testing a hypothesis.

Answer: experiment

**ECON** 8. I will give you every other letter of an economic term from your glossary. Identify the term.

\_N\_E\_E\_T

Answer: interest

**ECON** 9. Fill in the blank in the following sentence using a two-word term from your glossary.

A (blank) is a good for which the market price is zero at a particular time and place.

Answer: free good

**SCI** 10. Match each of the three scientific processes to its description.

<u>Processes</u>	<u>Descriptions</u>
A. melting	1. changes a substance from a liquid to a gas
B. boiling	2. changes a substance from a liquid to a solid
C. freezing	3. changes a substance from a solid to a liquid

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

**ECON** 11. Which is more, a person's net income or his gross income?

Answer: gross

**ECON** 12. I will give you every other letter of an economic term from your glossary. Identify the term.

\_A\_K\_T

Answer: market

**ENG** 13. State the past tense form of the verb in the following sentence ending with the word Carolina.

Amelia will write a letter to her uncle in Durham, North Carolina.

Answer: wrote

**SCI** 14. Identify respectively each of the following four animals as an herbivore or a carnivore.

1. owl
2. llama
3. manatee
4. shark

Answer: 1. carnivore; 2. herbivore; 3. herbivore; 4. carnivore

**ECON** 15. Identify the economic term defined in your glossary as the situation in which people are willing and able to work at current wages, but do not have jobs.

Answer: unemployment

**ECON** 16. Identify the economic term defined in your glossary as people who use resources to make goods and services.

Answer: producers (accept: workers or labor)

**ECON** 17. How many vowels are in the spelling of the economic term, REPOSSESSION?

Answer: 5

**ECON** 18. Identify the two-word term defined in your glossary as the value of the next best alternative that must be given up when a choice is made.

Answer: opportunity cost

**ECON** 19. I will give you every other letter of an economic term. Identify the term.

\_O\_T\_A\_E

Answer: mortgage

**ECON** 20. Identify the economic term defined in your glossary as informing consumers about a good or service, particularly by praising it.

Answer: advertise

**End of 5-point round.**

**Announce the two-minute break. Have the judges turn over their question sets. Coaches may make substitutions and talk with their teams.**

**Time 2 minutes.**

**Conduct a button check after the break.**

**Announce cumulative scores.**

**Begin the 10-point question round.**

**ECON** 21. Fill in the blank in the following sentence with the missing term from your glossary.

Factors that motivate and influence the behavior of households and businesses are known as (blank).

Answer: incentives

**For the next three questions you will need the following information. Mario lives in Washington, DC. His sister, who lives in Sacramento, California, is expecting a call from Mario on Thursday at 7:30 PM.**

**SS** 22. At what time in the evening will Mario have to place his call in order for his sister to receive it at the scheduled time?

Answer: 10:30 (PM)

**SS** 23. Mario's watch showed 12:15 AM when he finish his conversation with his sister. How much time elapsed during their conversation?

Answer: 1 hour and 45 minutes

**SS** 24. Mario and his sister decided to speak again the next day, but one hour and forty-five minutes earlier than their conversation on Thursday. At what time in the evening will Mario have to place his call on Friday to reach his sister at the scheduled time?

Answer: 8:45 (PM)

**ECON** 25. Unscramble the following ten letters to form an economic term from your glossary. Identify the term.

C, N, O, G, T, E, O, L, H, Y

Answer: technology

**ECON** 26. I will give you every other letter of an economic term. Identify the term.

\_ E \_ A \_ D

Answer: demand

**MATH** 27. Identify the least common multiple of 8, 3, and 12.

Answer: 24

**The next two questions share information.**

**ECON** 28. Place the following four steps in order according to the PACED decision-making model.

1. Tina needs to show her parents that she can use money wisely.
2. Tina purchased a used DVD, new boots that she needed, and saved \$40.00 to use later.
3. Tina earned \$75 babysitting and needs to decide how to spend it.
4. Tina can buy two new DVDs she has been wanting.

Answer: 3, 4, 1, 2 (Note: 1. criteria; 2. decision; 3. problem; 4. alternatives)

**ECON** 29. Identify which step of the PACED decision-making model is missing in the previous question.

Answer: evaluation

**SCI** 30. Match each of the following three pieces of scientific equipment to its description.

<u>Equipment</u>	<u>Description</u>
A. spring scale	1. used to measure the volume of liquids
B. graduated cylinder	2. used to make small objects appear larger
C. hand lens	3. used to measure the gravitational pull on an object

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

**ECON** 31. Identify the economic term from your glossary defined as property or money received from an estate or through a will.

Answer: inheritance

**ECON** 32. Letter scramble. Unscramble all of the following letters to form a two-word economic term from your glossary.

First word: R, O, W, B, O, R

Second word: O, N, Y, E, M

Answer: borrow money

**MATH** 33. Fill in respectively the two blanks in the following sentence with the missing mathematical terms.

The (blank) is the top number of a fraction indicating how many parts and the (blank) is the bottom number in a fraction indicating the number of parts the whole is divided into.

Answer: numerator, denominator

**ECON** 34. Fill in the blank in the following sentence with a term from your glossary. A (blank) market is a market in which there are many buyers and sellers, no barriers to entry and a homogenous product.

Answer: competitive (market)

**ECON** 35. I will give you all of the vowels in a nine letter economic term from your glossary. Identify the term

\_ O \_ \_ O \_ A \_ I O \_

Answer: corporation

**SS** 36. What am I? I was a member of the Massachusetts colony militia. During the Revolutionary War, I could be ready to fight the British in no time. I was hand-picked to be a part of this elite force for my enthusiasm, reliability and physical strength.

Answer: minuteman (accept: minutemen)

**ECON 37.** Match each of the four economic terms to the best one-word definition.

<u>Terms</u>	<u>One-word Definitions</u>
A. firm	1. labor
B. barter	2. trade
C. human resources	3. choices
D. alternatives	4. business

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

**Kelsey was in charge of a class project to collect money for the local Humane Society. Her class decided to collect dimes in tin cans during lunch. Kelsey purchased construction paper for \$3.15, markers for \$2.96, and glue for \$1.19 to decorate the cans. She paid a sales tax of 7%. The tin cans were donated by Kelsey's grandmother. When the fundraiser ended, Kelsey's class had collected 234 dimes.**

**MATH 38.** To the nearest cent, determine the total dollar amount the class collected after Kelsey was reimbursed for her expenses.

Answer: \$15.59      ( $\$7.30 \text{ total spent} \times .07 = .51 + \$7.30 = \$7.81$   
\$23.40 dollars made from collecting dimes less expenses of  
 $\$7.81 = \$15.59$ )

**ECON 39.** Unscramble the following letters to form a two-word economic term from your glossary.

First word: M, E, N, A, D, D  
Second word: P, S, T, I, E, D, O

Answer: demand deposit

**For the next question you will use this information. Kate has tennis practice every 4 days, swimming practice every 5 days and piano lessons every 3 days. Today she had all three activities.**

**MATH 40.** How many days will it be until Kate has all three activities on the same day again?

Answer: 60      (Note: Least Common Multiple of 4, 5 and 3 = 60)

**End of 10-point question round.**

**Announce the two-minute break. Have the judges turn over their question sets. Coaches may make substitutions and talk with their teams.**

**Time 2 minutes.**

**Conduct a button check after the break. Announce cumulative scores.**

**Begin 15-point question round.**

**ECON 41.** Identify the two-word economic term from your glossary defined as a model of an economy showing the interactions between households and business firms as they exchange goods and services and resources in markets.

Answer: circular flow

**ECON** 42. I will spell an economic term from your glossary backwards. Identify the term.

N, O, I, T, U, B, I, R, T, S, I, D

Answer: distribution

**GEOG** 43. Match each of the following four states to its capital.

<u>States</u>	<u>Capitals</u>
A. Florida	1. Raleigh
B. Texas	2. Atlanta
C. Georgia	3. Austin
D. North Carolina	4. Tallahassee

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

**ECON** 44. Unscramble the following letters to form a two-word economic term from your glossary.

1<sup>st</sup> word: O, M, C, I, O, E, N, C

2<sup>nd</sup> word: M, T, Y, E, S, S, S

Answer: economic systems

**ECON** 45. Identify the US state whose postal abbreviation contains the first two letters of the seven-letter economic term from your glossary defined as a situation in which two or more producers seek to gain a large market share by providing consumers with lower prices.

Answer: Rhode Island (Note: rivalry)

**SCI** 46. Match each of the following three science terms to its definition.

<u>Terms</u>	<u>Definitions</u>
A. investigation	1. personal view or judgment
B. opinion	2. collection of data
C. replicate	3. repeat, copy or duplicate

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

**ECON** 47. Arrange the following four economic terms in alphabetical order: fossil fuels, food energy, forfeiture, firm

Answer: firm, food energy, forfeiture, fossil fuels

**ECON** 48. I will give you every other letter of a two-word economic term. Identify the term.

First word: \_ I \_ I \_ U \_

Second word: \_ A \_ A \_ C \_

Answer: minimum balance

**MATH** 49. What is the product of the number of factors of production and the number of functions of money?

Answer: 12 (Note: 4 factors of production x 3 functions of money)

**ECON** 50. Letter scramble. Unscramble the following letters to form a two-word economic term from your glossary.

First word: A, T, Y, Q, I, U, T, N

Second word: M, D, E, D, A, D, N, E

Answer: quantity demanded

**ECON** 51. Fill in the blank in the following sentence with the missing term from your glossary.

(Blank) is defined as the act of using one good or resource in place of another to satisfy human wants and/or needs.

Answer: Substitution

**GEOG** 52. Identify the continent that is home to Mount Kilimanjaro?

Answer: Africa

**ECON** 53. Which one of the following four forms of savings is generally the most risky?

- \* 1. corporate stocks and bonds
- 2. life insurance
- 3. bank savings account
- 4. US savings bonds

**ECON** 54. When the word budget is spelled in a certain code it becomes ATCF\_S. Identify the missing letter that would complete the code.

Answer: D (Note: one letter before each)

**MATH** 55. Match each of the three mathematical terms to its definition.

<u>Terms</u>	<u>Definitions</u>
A. edge	1. point common to any two sides of a polygon
B. face	2. line segment where two faces of a polyhedron meet
C. vertex	3. one of the plane surfaces bounding a three dimensional figure

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

**ECON** 56. Name the three levels of government according to your glossary.

Answer: local, state, federal (in any order)



- ECON** 57. Which one of the following three acronyms names a deduction taken from an employee's pay?
1. FTC
  - \* 2. FICA
  3. FDIC

**For the next two separate questions you will need this information. A new Italian buffet restaurant had its grand opening the last weekend of the month. Food sales totaled \$2,500.**

- MATH** 58. If each guest paid \$12.50 for a meal, how many meals were sold?

Answer: 200

- MATH** 59. Calculate the profit the restaurant made on food sales if they had to pay 10 servers an hourly wage of \$10.50 each for four hours of work.

Answer: \$2,080

(note: waiter cost per hour - \$105 @ 4 hours - \$420; \$2500 - \$420 = \$2080)

- MS** 60. Compute the result of the following three-step problem.

Step 1. Begin with the number of sides in a trapezoid.

Step 2. Add to that number the number of letters in the economic term defined as selling our country's products to other nations

Step 3. Multiply this sum by the degrees Fahrenheit at which water freezes.

Answer: 320 (4 + 6 export = 10 x 32 = 320)

**End of 15-point question round. (Teams should remain seated until final scores are computed.)**

**Announce scores. The two teams with the highest scores move on to the final round.**

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

**Announce the two-minute break.**

**Begin tie-breaker question round. Conduct a button check. One point is awarded for a correct response; one point is subtracted for an incorrect answer.**

**Tie Breaker Questions:**

- ECON** 1. If consonants are worth \$2.10 each and vowels are worth \$1.50 each, determine the value of the economic term from your glossary defined as the study of how people make choices about the best use of scarce resources.

Answer: \$16.50

(Note: ECONOMICS; 5 x \$2.10 = \$10.50; 4 x \$1.50 = \$6.00; \$16.50)

**ECON** 2. Spell the economic term from your glossary which means a supply of a product or products that a business has “on hand”

Answer: i-n-v-e-n-t-o-r-y

**ECON** 3. How many letters are in the following sentence ending with the word money? A budget is a plan for the use of money.

Answer: 30