

2014 Polk County 5th Grade E-Team

Introduce yourself and staff. Have the team coaches introduce themselves and their team members.

Begin 5-point question round.

ECON 1. Identify the economic term from your glossary defined as an employee of a bank whose job it is to take deposits of bank clients.

Answer: teller

ENG 2. Fill in the blank with the missing literary term. The (blank) of a story is the time and place in which it occurs.

Answer: setting (PCSB Curriculum Maps, 5th grade, Unit 3)

SCI 3. Fill in the blank with the missing science term. A mountain made of lava, ash, or materials from eruptions that occur at an opening in the earth's crust is known as a (blank).

Answer: volcano (Source: Harcourt Science 5th Grade, p. 272)

MATH 4. Solve for x in the following equation: $100 = x$ divided by 3

Answer: 300

SS 5. Identify the portion of a map that explains what the symbols on the map stand for.

Answer: (map) key

ECON 6. Identify the three-letter economic term from your glossary defined as a charge to the customer by the bank for a service such as writing a check or using an ATM machine.

Answer: fee

MATH 7. Fill in the blank in the following sentence with the missing mathematical term. A line drawn through the center of a figure that divides the figure into two congruent parts is known as a line of (blank).

Answer: (line of) symmetry

SS 8. Give the collective name for the first ten amendments to the US Constitution.

Answer: (the) Bill of Rights

SCI 9. Which one or ones of the following four are renewable energy resources?

* 1. sunlight

2. oil

* 3. wind

4. gasoline

(Source: Harcourt Science 5th Grade, p. 128-9)

ENG 10. Fill in the blank in the following sentence with one of the three given choices. Text written to (blank) is written to make the meaning of something clear to someone or clarify.

1. endorse
- * 2. explain
3. encourage

MATH 11. State the quotient of 54 divided by 9.

Answer: 6

ECON 12. Fill in the blank with the missing two-word economic term. The amount of money required to be kept in an account to avoid paying a service charge is known as (blank).

Answer: minimum balance

ENG 13. Which one of the following three sentences contains a proper noun?

1. My sister went to the library to research cities to visit on her vacation.
- * 2. She decided to put Chicago on her list.
3. She took lots of vacation photographs with her digital camera.

SS 14. Who am I? I am a scientist. My job takes me around the world to study the cultures of people from long ago. Some tools of my trade include a trowel, a hand broom and a tape measure.

Answer: archaeologist

SCI 15. List the three states of matter.

Answer: solid, liquid, gas (Source: Harcourt Science 5th Grade, p. 74)

ECON 16. Identify the economic term from your glossary defined as the wise use of natural resources.

Answer: conservation

MATH 17. Greg had 24 baseball cards, c . He went online and ordered one pack of 15 cards. Which one of the following four expressions can be used to represent the number of baseball cards Greg has now?

1. $c/15$
2. $c + 1$
- * 3. $c + 15$
4. $c - 15$

- SS** 18. Letter scramble. Unscramble the following nine letters to form a social studies term closely associated with differences and variety found in a culture or group.

V S E R I D T I Y

Answer: diversity (Source: 5th Grade curriculum map, Unit 4)

- ENG** 19. Identify respectively the homograph described in each of the following three sets of clues.

Set 1. to bring your foot down hard; small sticker on a letter

Set 2. a group with members; caveman's weapon

Set 3. a game ending in a tie; make pictures

Answer: Set 1. stamp; Set 2. club; Set 3. draw

- SCI** 20. Fill in the blank with the missing science term. A (blank) is made up of two or more atoms joined together.

Answer: molecule (Source: Harcourt Science 5th Grade, p. 67)

End of 5-point question round.

Two-minute break. Coaches may consult their team members and make substitutions.

Announce cumulative scores.

Conduct a button check. Begin 10-point question round.

- ENG** 21. Fill in the blank with the missing economic term from your glossary. A (blank) is a person or business whose wants are satisfied by using goods and services.

Answer: consumer

- ECON** 22. Match each of the following four inflectional endings to its purpose. One purpose will be used more than once.

<u>Endings</u>	<u>Purposes</u>
A. S	1. to indicate an action is happening now
B. ES	2. to make a noun mean more than one
C. ING	3. to indicate an action already happened
D. ED	

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

- SS** 23. Identify respectively the number of years that make up each of the following three periods of time.

1. decade

2. century

3. millennium

Answer: 1. 10; 2. 100; 3. 1,000
(Source: Harcourt Social Studies 5th Grade, p. 61)

MATH 24. Give the prime factorization of 50.

Answer: $2 \times 5 \times 5$ (accept: 2×5^2)

SCI 25. Identify the scientific term defined as the amount of matter in an object or substance.

Answer: mass (PCSB 5th grade science curriculum map, Unit 2)

ECON 26. Identify the two-word term defined in your glossary as the amount of money earned in a pay period before any taxes and other payroll deductions have been subtracted.

Answer: gross income

SCI 27. Identify the unit for measuring force in the metric system.

Answer: Newton (PCSB 5th grade science curriculum map, Unit 4)

MATH 28. Solve for x in the following equation: $18 = x + 9$

Answer: 9

SS 29. Fill in the blank. A (blank) war is a war between people of the same country.

Answer: civil

ENG 30. Unscramble the following ten letters to form the literary term defined as the part of a story's plot line in which the problem is resolved or worked out.

N O L U I R E O T S

Answer: resolution

SS 31. Fill in the blank with the missing social studies term. In 1919, women were given (blank) or the right to vote.

Answer: suffrage

ECON 32. Identify the economic term from your glossary defined as a sum or percentage paid to an agent for his or her services.

Answer: commission

ENG 33. Identify the author of *Horton Hears a Who* and *The Lorax*.

Answer: Dr. Seuss (accept: Theodor Seuss Geisel)

SCI 34. Letter scramble. Unscramble the following letters to form a two-word science term.

First word: G, N, S, P, R, I

Second word: L, E, S, A, C

Answer: spring scale

MATH 35. State the least common multiple of 12 and 15.

Answer: 60

SCI 36. Fill in respectively the two blanks in the following sentence with the words negative or positive. A (blank) charge repels a (blank) charge.

Answer: negative, negative (accept: positive, positive)

(Source: Harcourt Science 5th Grade, p. B 112)

MATH 37. Match each of the following four fractions to its decimal equivalent.

<u>Fractions</u>	<u>Decimal Equivalents</u>
A. 1/4	1. .20
B. 1/2	2. .50
C. 1/5	3. .25
D. 3/4	4. .75

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

SS 38. Identify the branch of the government that carries out the laws made by the legislative branch.

Answer: executive (branch)

(Source: Harcourt Social Studies 5th Grade, p. 302)

ECON 39. Identify respectively each of the following four goods associated with *Gator World* as a capital good or a consumer good.

1. lumber for boardwalks around gator cages
2. gator jerky
3. souvenir cups
4. metal feeding poles

Answer: 1. capital; 2. consumer; 3. consumer; 4. capital

MATH 40. Identify respectively the value of each of the following three.

- A. 6^2
- B. 2^3
- C. 4^2

Answer: A. 36 B. 8 C. 16

End of 10-point question round.

Two-minute break. Coaches may consult their team members and make substitutions.

Announce cumulative scores.

Conduct a button check.

Begin 15-point question round.

ECON 41. Identify respectively each of the following four glossary terms beginning with the letter E.

1. selling our country's products to other nations
2. making the best possible use of scarce resources
3. a sudden, urgent, unexpected occurrence requiring immediate activity
4. the study of how people make choices about the best use of scarce resources

Answer: 1. export; 2. efficient; 3. emergency; 4. economics

For the next question you will use the number 43.625

MATH 42. Identify respectively the digit in each of the following three places: hundredths place, ones place and tenths place.

Answer: hundredths place – 2; ones place – 3; tenths place – 6 (accept: 2, 3, 6)

ENG 43. Spell respectively the plural form of each of the following four singular nouns.

1. child
2. thief
3. sky
4. goose

Answer: 1. children; 2. thieves; 3. skies; 4. geese

SCI 44. Fill in the blank with the missing scientific term. Forces that are unequal in size or direction and that change an object's motion are known as (blank) forces.

Answer: unbalanced (forces)

SS 45. Fill in the blank. The president of the United States has the power to reject or (blank) bills passed by Congress.

Answer: veto

MATH 46. State respectively the following three fractions in simplest terms.

$$\frac{3}{9}, \frac{6}{12}, \frac{2}{8}$$

Answer: $\frac{1}{3}, \frac{1}{2}, \frac{1}{4}$

ENG 47. Match each of the following four literary terms to its definition

<u>Terms</u>	<u>Definitions</u>
A. topic	1. the reason something happens
B. cause	2. to show differences
C. contrast	3. the result of an action
D. effect	4. subject or theme of a story or speech

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

SCI 48. Match each of the following three scientific tools to its use.

<u>Tools</u>	<u>Uses</u>
A. graduated cylinder	1. measure the exact time of an event
B. ruler	2. measure the volume of liquids
C. stop watch	3. measure length or distance

Answer: A-2, B-3, C-1 (Source: PCSB Science 5th Grade Curriculum Map)

ECON 49. Unscramble the following letters to form a two-word economic term from your glossary.

First Word: N, U, M, I, M, I, M
Second Word: E, G, A, W

Answer: minimum wage

SS 50. Fill in the blank in the following sentence with the missing social studies term. The system of (blank) is the system of sharing and balancing power so that one governmental branch cannot completely control the others.

Answer: checks and balances

(Source: PCSB 5th Grade Curriculum Map)

MATH 51. State the product of 3.17 and 6.2.

Answer: 19.654

ENG 52. Identify respectively the one-word simple subject in each of the following four sentences.

1. The angry chef slammed the pots and pans.
2. The funny circus clown made us all laugh.
3. The oak tree in our yard was struck by lightning.
4. The huge, green, slimy alien waved at us.

SCI 53. Identify the seven-letter scientific term defined as a physical property of a solid used to describe its surface.

Answer: texture

- SS** 54. Give the name of the spirits, often depicted in wooden figures, believed by the Hopi tribe of Native Americans to visit the world of living people once a year.

Answer: kachinas (Source: Harcourt Science 5th Grade, p. 77)

- ECON** 55. Match each of the following four economic terms to the best one-word definition.

<u>Terms</u>	<u>One-word Definitions</u>
A. wages	1. currency
B. firm	2. business
C. cash	3. choices
D. alternatives	4. salary

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

- SS** 56. Give the name for the line of latitude marked 0° that is an equal distance from both poles.

Answer: (the) equator

- MATH** 57. List all of the common factors for the numbers 32 and 24.

Answer: 1, 2, 4, 8 (any order)

- SCI** 58. Match each of the following three types of energy to its description

<u>Types of Energy</u>	<u>Descriptions</u>
A. chemical	1. produced by vibrating objects
B. light	2. travels in waves and can move through empty space where there is no air
C. sound	3. stored in food and fuels

Answer: A-3, B-2, C-1 (Source: 5th Grade curriculum map, Unit 3)

- ENG** 59. Which one or ones of the following four Greek roots are matched incorrectly with their meanings?

- * 1. phone - light
- 2. hydro - water
- 3. geo - earth
- * 4. macro - small

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

1. Begin with the number of stars on the United States flag.
2. Add to that number the number of letters in the last name of the current US President
3. Multiply this sum by the number of letters in the economic term for the facility where coins are produced
4. Divide this number by the number represented by the Roman numeral X.

Answer: 22

(Note: $50 + 5$ "Obama" = 55×4 "mint" = 220; $220 / 10 = 22$)

End of 15-point question round.

(Teams should remain seated until final scores are computed.)

Announce scores.

[If scores are tied for 1st, 2nd, or 3rd, 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 \$1.75 each and vowels are worth \$2.15 each, calculate the value of the two-word economic term from your glossary defined as unprocessed natural products used in the production of final goods and services.

Answer: \$21.25

(Note: raw material; 6 consonants @ \$1.75=\$10.50 plus 5 vowels @ \$2.15=\$10.75, so \$10.50 + \$10.75= \$21.25)

ECON2. Spell the two-word economic term from your glossary which means the actual amount of money received after taxes and other payroll deductions have been subtracted from gross income.

Answer: n-e-t i-n-c-o-m-e

ECON 3. Identify the economic term from your glossary defined as the ability to convert an asset into cash easily and quickly?

Answer: liquidity