

Polk County 7TH Grade E-Team Tournament

Introduce yourself. Welcome the participants and give the significance of this competition--Each team member and head coach of the finalist teams will receive a trophy donated by the Polk Economic Education Council. A trophy will also be awarded to each school. (Thank the PEEC and Polk County School Board for support.)

Have the judges and scorekeepers introduce themselves.

Have the team coaches come forward to introduce themselves and their team members.

Conduct a button check.

Begin the 5-point question round.

**ECON** 1. Name the economics term used to describe the interest which Federal Reserve Banks charge banks for the use of their money.

Answer: discount rate

**ENG** 2. Give the total number of syllables in the two-word term regulatory agency.

Answer: 8

**ECON** 3. Fill in the blank in the following statement by supplying the one missing word: Demand-pull inflation is an increase in prices caused by \_\_\_\_\_ in demand.

Answer: increase(s)

**SCI** 4. Into which one of the following four given classifications would a scientist most likely place the unknown organism described by the following?

The organism grows in chains and lacks a nucleus and chlorophyll.

1. bacillus
- \*2. coccus
3. spirillum
4. blue-green bacterium

**ECON** 5. Letter scramble. Unscramble the following letters to form an economics term.

L, O, O, N, O, M, Y, P

Answer: monopoly

**MATH** 6. How many different combinations of coins total 12¢?

Answer: 4

**SCI** 7. Complete the following analogy using one of the four given choices.

Genus is to species as \_\_\_\_\_.

1. order is to class
2. phylum is to family
3. family is to class
- \*4. kingdom is to phylum

(Source: Silver Burdett, Life Science)

**MATH** 8. Determine the number of years elapsed between Julius Caesar's death in 44 B.C. to the fall of Rome in 476 A.D.

Answer: 520

**ENG** 9. Fill in the two blanks with the correct forms of the verbs sit or set.  
(Reader: Spell each word.)

I \_\_\_\_\_ down to read the weekly Publix food advertisements which I  
had \_\_\_\_\_ on the desk.

Answer: sat, set

**ECON** 10. For what are the letters CPI in economics an acronym?

Answer: Consumer Price Index

**ECON** 11. Which one or ones of the following four taxes are classified as direct taxes?

- \*1. corporate income taxes
- \*2. inheritance taxes
3. sales taxes
- \*4. property taxes

**SCI** 12. How many atoms are in one molecule of ammonia whose formula is  $\text{NH}_3$ ?

Answer: four (Note: 1 nitrogen and 3 hydrogen)  
(Source: Silver Burdett Life Science)

**ENG** 13. Which one of the following four words is the antonym of the word insolent?

1. lazy
2. contemptuous
- \*3. courteous
4. sensitive

**MATH** 14. At the price of four apples for a dollar, what is the price of fourteen apples?

Answer: \$3.50

**ECON** 15. Give the two-word economics term which can be referred to as the value of the dollar or buying power.

Answer: purchasing power

**ENG** 16. Complete the analogy by selecting one of the three given choices.

Ominous is to threatening as \_\_\_\_\_ is to simple.

- \*1. idyllic
- 2. mammoth
- 3. unpleasant

**MATH** 17. In the U.R. Smart Junior High School during second period there are nine classes with 27 students, 13 classes with 25 students, and 11 classes with 21 students. What is the total enrollment of the school?

Answer: 799

**ECON** 18. I will give you every other letter of an economics term. Identify the term.

\_ a \_ i \_ a \_ i \_ m

Answer: capitalism

**ECON** 19. Demand deposits are one component of the money supply. True or false?

Answer: true

**SS** 20. Which one of the following four men is considered the author of the Declaration of Independence?

- 1. George Washington
- \*2. Thomas Jefferson
- 3. Thomas Paine
- 4. James Madison

**End of the 5-point round.**

**It is time for the 10-point team question.**

**For this team question you will be given Handout 7-2-1. Leave the packet of handouts on the table until you are given instructions. (Pause to distribute team question packets placing cover sheet face up on each table.)**

**This team question is worth a total of 10 points. Each blank is valued at one point. You will be given 2 minutes to complete the handout. ONLY ONE WILL BE COLLECTED FROM EACH TEAM TO BE SCORED. THIS HANDOUT SHOULD BE DESIGNATED WITH YOUR TEAM NUMBER IN THE SPACE PROVIDED IN THE UPPER LEFT-HAND CORNER OF THE HANDOUT.**

Turn the packets face down at this time. Tear off the bottom blank sheet. Continue to tear off the sheets to distribute one handout to each team member FACE DOWN. (Pause until each team has distributed the handouts.)

You may turn the handouts over and begin.

(Time 2 minutes, informing the teams each time the buzzer sounds as to how many minutes remain. Remind teams during the final minute to mark only one sheet as their team answer sheet using their team number in the upper left-hand corner.)

STOP! Hold your team answer sheet in the air to be collected.

Read answers: (1 point for each part)

- A. 5, bull
- B. 1, bee
- C. 4, cat
- D. 3, crocodile
- E. 2, cows

Announce scores from team question.

SAY: Are there any questions? (Pause to field any questions concerning the scoring of the team question.)

Remind judges to turn over their question sets.

Remind coaches that they may consult with their teams and make substitutions of players during the break.

Announce the two-minute break.

TIME 2 minutes. Ask coaches to return to their seats.

Announce cumulative team scores after the break.

Conduct a button check.

Begin the 10-point question round.

**MATH** 21. What is 5,099.67 rounded to the nearest whole number?

Answer: 5,100

**ECON** 22. Complete the following statement by supplying the missing eight-letter economics term. The U.S. Postal Service is an example of a government \_\_\_\_\_.

Answer: monopoly

Handout 7-2-1  
Team # \_\_\_\_\_

**ANIMAL EXPRESSIONS**

Fill in the blanks with the appropriate animals and then match each to the appropriate definition.

Expressions

\_\_\_\_\_ A. \_\_\_\_\_ in a china shop

\_\_\_\_\_ B. \_\_\_\_\_ in his bonnet

\_\_\_\_\_ C. let the \_\_\_\_\_ out of the bag

\_\_\_\_\_ D. \_\_\_\_\_ tears

\_\_\_\_\_ E. till the \_\_\_\_\_ come home

Definitions

1. obsessed by one thing
2. for a long time
3. phony grief
4. reveal a secret
5. awkward or clumsy

**SS** 23. Which one of the following four countries is not found on the continent of Asia?

1. India
2. China
3. Burma
- \*4. Greece

**ECON** 24. Spell the economic term used to describe the amount of money borrowed or lent.

Answer: principal

**MATH** 25. Which one or ones of the following four measures are equivalent to 47 millimeters?

- \*1. 0.47 decimeters
2. 0.47 meters
- \*3. 4.7 centimeters
- \*4. 0.000047 kilometers

**For the next question you will use this information. The child's mother carries one gene for color blindness and one gene for normal vision. The mother's genotype is X-C-X-c. The child's father carries one gene for color blindness. The father's genotype is X-c-Y.**

**SCI** 26. Which one of the following four genotypes is that of their female child who is color blind?

1. X-C-Y
2. X-C-X-c
3. X-c-Y
- \*4. X-c-X-c

**ECON** 27. State the economics term which refers to the legal declaration of inability to pay one's debts.

Answer: bankruptcy

**ENG** 28. Fill in the blank with the body part which completes each of the following three common expressions.

1. chip on one's \_\_\_\_\_
2. \_\_\_\_\_ out of joint
3. walls have \_\_\_\_\_

Answer: 1. shoulder  
2. nose  
3. ears

**ECON** 29. Which one of the following four federal agencies regulates radio stations?

1. FTC
- \*2. FCC
3. FDA
4. FAA

**SCI** 30. One similarity between an alga and a blue-green bacterium is that they both have a cell wall. True or false?

Answer: true

**ENG** 31. Letter scramble. Unscramble the following letters to form the Greek name for the god of dreams: S, E, P, H, R, O, U, M

Answer: Morpheus

**ECON** 32. Match each of the four economics terms to its definition.

<u>Terms</u>	<u>Definitions</u>
A. efficient	1. the ratio of output to input
B. productivity	2. not wasteful
C. economical	3. short supply
D. scarcity	4. making the best possible use of scarce resources

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

**SCI** 33. Determine which fur color is a recessive trait in the following situation.

A scientist crosses a purebred black mouse with a mouse that is purebred for white fur. All of the offspring have white fur. The scientist crosses another purebred black mouse with a mouse that is purebred for brown fur. All the offspring of this cross have brown fur. Which fur color is recessive?

Answer: black

**ENG** 34. In which one or ones of the following three sentences is an apostrophe needed in the word its?

1. The power of poetry is its beauty and strength.
- \*2. Its a beautiful piece of work.
- \*3. Its their vanity that he wishes to criticize.

**MATH** 35. Express 64% as a fraction in simplest terms.

Answer: 16/25

**ECON 36.** I will give you every other letter of a two-word economics term. Identify the term.

First word:    \_ o \_ e \_ n \_ e \_ t  
Second word:  \_n \_ o \_ e

Answer:   government income

**SCI 37.** Which one of the following four tools would a scientist use to measure the mass of a sample of soil?

- \*1. triple beam balance
- 2. graduated cylinder
- 3. thermometer
- 4. meterstick

**ENG 38.** Match each of the four characters from the King Arthur legends to his/her description.

<u>Characters</u>	<u>Descriptions</u>
A. Uther Pendragon	1. sister or half-sister of Arthur
B. Sir Ector	2. father of Arthur
C. Morgan Le Fay	3. one who raised Arthur
D. Sir Lancelot	4. Arthur's most valiant knight

Answer:    A-2, B-3, C-1, D-4

**ECON 39.** Identify the function of money illustrated in the following situation: Maria deposited \$150 in her savings account.

Answer:    store of value

**ECON 40.** Which one or ones of the following four statements are true concerning a corporation?

- \*1. A corporation is a legal person.
- 2. A corporation is owned by a single person.
- \*3. A corporation can continue indefinitely.
- 4. A corporation must have a charter.

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

**It is time for the 20-point team question.**

**For this team question you will be given Handout 7-2-2. Leave the packet of handouts on the table until you are given instructions. (Pause to distribute team question packets placing cover sheet face up on each table.)**

**Each team will be given a blue pen and a red colored pencil. (distribute)**

**This team question is worth a total of 20 points. Each question is valued at two points. You will be given four minutes to complete the handout. ONLY ONE WILL BE COLLECTED FROM EACH TEAM TO BE SCORED. THIS HANDOUT SHOULD BE DESIGNATED WITH YOUR TEAM NUMBER IN THE SPACE PROVIDED IN THE UPPER LEFT-HAND CORNER OF THE HANDOUT.**

Handout 7-2-2

Team # \_\_\_\_\_

Turn the packets face down at this time. Tear off both bottom blank sheets. Continue to tear off the sheets to distribute one handout to each team member FACE DOWN. (Pause until each team has distributed the handouts.)

You may turn the handouts over and begin.

(Time four minutes, informing the teams each time the buzzer sounds as to how many minutes remain. Remind teams during the final minute to mark only one sheet as their team answer sheet using their team number in the upper left-hand corner.)

STOP! Hold your team answer sheet in the air to be collected.

Read answers: (two points each)

1. See answer sheet.
2. Fruit flies arise from fruit. (accept: Fruit flies do not arise from fruit, but are attracted to it.)
3. the covered jar
4. day 3 at 7:00 p.m.
5. direct (relationship) (accept: As time increases, the number of fruit flies increases.)
6. the covered jar
7. Fruit flies do not arise from fruit; they are attracted to fruit.
8. 1.2:1 (accept: 41/34)
9. keep the fruit covered (accept similar response)
10. Fresh fruit should be stored in covered containers from processing to distribution for both preservation and aesthetic value. (accept similar response)

Announce scores from team question.

SAY: Are there any questions? (Pause to field any questions concerning the scoring of the team question.)

Remind judges to turn over their question sets.

Remind coaches that they may consult with their teams and make substitutions of players during the break.

Announce the two-minute break.

TIME 2 minutes. Ask coaches to return to their seats.

Announce cumulative team scores after the break.

Conduct a button check.

Begin the 15-point question round.

ECON 41. What is the economics term used to describe a period of drastic decline in the national economy characterized by unemployment, falling prices, and decreasing business activity.

Answer: depression

**ECON 42.** Complete the following statement by supplying the missing six-letter word.

To a nurse, health insurance and uniforms provided by the employer in addition to his regular salary are known as \_\_\_\_\_ benefits.

Answer: fringe

**ENG 43.** This is a two-part question concerning the story "A Christmas Carol."

Part 1: Name the character, described as "a grasping old sinner," who became the stereotype of a miser.

Part 2: Which one of the following three literary techniques does Dickens use to reveal the past life of this "old sinner"?

1. personification
2. flashbacks
3. foreshadowing

Answer: Part 1: (Ebenezer) Scrooge, Part 2: 2

**ECON 44.** Identify the economics term whose spelling might indicate the result of a division problem but is actually a homophone for the number being divided.

Answer: dividend

**For the next question you will be given Handout 7-2-3. Leave the packets where they are placed on the table until you are given directions. (Pause to distribute handout packets, placing cover sheet face up on table.) You may turn these face down, remove the blank sheet, and distribute one handout per team member FACE DOWN. (Pause until all team members have a handout.) You may turn these face up.**

**SCI 45.** Arrange the pictures according to number to show the correct steps in mitosis.

Answer: 4, 1, 3, 2

**ECON 46.** Which one of the following four countries is not a member of OPEC?

1. Venezuela
2. Saudi Arabia
3. Libya
- \*4. Canada

**ECON 47.** What do the letters EEC refer to in economics?

Answer: European Economic Community

**Handout 7-2-3**

1.

2.

3.

4.

**SCI** 48. Which one or ones of the following four diseases can presently be prevented in humans by a vaccine?

- \*1. polio
- 2. AIDS
- 3. cancer
- \*4. tetanus

**MATH** 49. The Red-Hot Chili Peppers memorizes three songs a week. Their agent sends them five songs a week for six weeks. How many weeks do they need to memorize these songs?

Answer: 10

**MATH** 50. Compute the result of this three-step problem. Add the largest two-digit prime number to the number whose multiples are used as prefixes in the SI system. Multiply this sum by the number of parts of speech. Subtract the product from the year in which Florida was admitted as a state.

Answer: 989 (97 + 10 = 107; 107 X 8 = 856; 1845 - 856 = 989)

(Note: Articles are a subcategory of adjectives. Parts of speech: nouns, pronouns, verbs, adjectives, adverbs, prepositions, conjunctions, interjections.)

**For the next question you will be given Handout 7-2-4. Leave the packets where they are placed on the table until you are given directions. (Pause to distribute handout packets, placing cover sheet face up on table.) You may turn these face down, remove the blank sheet, and distribute one handout per team member FACE DOWN. (Pause until all team members have a handout.) You may turn these face up.**

**SCI** 51. From the information provided on the handout, identify one type of adaptation to desert life for each of the three species.

Answer: cactus - (any one) stores water in stem, waxy layers keep water in, thorns against predators, wide spreading root system  
flower - (any one) seeds dormant, short reproduction cycle, small size, short season  
mouse - (any one) active at night, internal water supply, sleeps by day

**MATH** 52. The Wally Widget Factory finds after analyzing its data over a period of time that the empirical probability of producing a defective widget is four to twenty-five. Approximately how many defective widgets would Wally expect in a group of 1,850 widgets?

Answer: 296

**ENG** 53. Identify the direct objects in the following line from the poem "Jabberwocky." "Beware the Jub-Jub Bird and shun the frumious Bandersnatch..."

Answer: (Jub-Jub) Bird, (frumious) Bandersnatch

**Handout 7-2-4**

Below is a brief description of three desert species.

**Saguaro Cactus (*Carnegiea gigantea*)**

Can grow to heights over 12 m; main body is a fleshy stem that can store water; exposed surface is covered by a waxy layer and thorns; roots form a shallow, wide-spreading system.

**Monkey Flower (*Mimulus ringens*)**

Lives only one year; produces flowers and seeds at beginning of season in a few weeks; produces flowers that are only 2-5 cm tall; seeds can remain dormant for years if water is insufficient; grows to height of 30-90 cm

**Kangaroo Mouse (*Dipodomys microdipodops*)**

8 cm long; furry rodent with pouch; active at night; eats seeds; rarely drinks water, relies largely on internal water; has very concentrated waste products; stays deep in burrow and blocks entrance during day

**ECON 54.** Which one of the following four taxes is classified as a progressive tax?

1. sales
2. excise
3. social security
- \*4. federal personal income

(Source: Slavin, Economics, p. 88)

**ECON 55.** Use two of the three factors of production--land, labor, capital--to best complete the following statement.

In the United States production is \_\_\_\_\_ intensive while in Mexico production is more \_\_\_\_\_ intensive.

Answer: capital, labor

**SS 56.** The following inscription can be found on what famous national monument:

"Give me your tired, your poor, your huddled masses..."?

Answer: Statue of Liberty

**ECON 57.** Compute the ratio in lowest terms of the number of consonants to **MATH**the number of vowels in the two-word economics term meaning the price at which the quantities of a good demanded and supplied in the market are equal.

Answer: 1 to 1 (accept: 1)  
(Note: equilibrium price)

**ECON 58.** What was prohibited by the Sherman Antitrust Act of 1890?

Answer: monopolies (accept: conspiracies to monopolize)

**ECON 59.** Match each of the four terms beginning with the letter C to its one-word definition.

<u>Terms</u>	<u>One-word Definitions</u>
A. commodities	1. assets
B. compare	2. use
C. collateral	3. examine
D. consume	4. goods

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

**ECON 60.** For any given purchase typically which is greater, the credit price or the cash price?

Answer: credit price

End of the 15-point round.

It is time for the 30-point team question.

For this team question you will be given Handout 7-2-5. Leave the packet of handouts on the table until you are given instructions. (Pause to distribute team question packets placing cover sheet face up on each table.)

This team question is worth a total of 30 points. Each question is valued at 3 points. You will be given 3 minutes to complete the handout. ONLY ONE WILL BE COLLECTED FROM EACH TEAM TO BE SCORED. THIS HANDOUT SHOULD BE DESIGNATED WITH YOUR TEAM NUMBER IN THE SPACE PROVIDED IN THE UPPER LEFT-HAND CORNER OF THE HANDOUT.

Turn the packets face down at this time. Tear off the bottom blank sheet. Continue to tear off the sheets to distribute one handout to each team member FACE DOWN. (Pause until each team has distributed the handouts.)

You may turn the handouts over and begin.

(Time 3 minutes, informing the teams each time the buzzer sounds as to how many minutes remain. Remind teams during the final minute to mark only one sheet as their team answer sheet using their team number in the upper left-hand corner.)

STOP! Hold your team answer sheet in the air to be collected.

Read answers: (3 points each)

1. Ivan
2. Sean
3. Johannes
4. Jean
5. Yugoslavia
6. franc
7. 50
8. 500
9. 20,000
10. 150

Announce scores from team question.

SAY: Are there any questions? (Pause to field any questions concerning the scoring of the team question.)

Teams are to remain seated until the final scores are computed.

Announce cumulative team scores.

(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.)

Begin tie-breaker question round, if necessary. Conduct a button check. One point is awarded to the team who answers the question correctly, or one point is subtracted from the team who answers the question incorrectly.

Thank the judges, coaches and teams.

**MATH** . State the simplified form for the expression six times four X plus seven times the quantity of Y minus two X.

Answer:  $10X + 7Y$

**MATH** . State in feet the length of the radius of a circle whose diameter is 24 feet.

Answer: 12

**SS** . Name the first woman appointed to the U.S. Supreme Court.

Answer: (Sandra Day) O'Connor

Set 2  
(1993)