

1999 Polk County Middle School E-Team Tournament

Introduce yourself. Welcome the participants to the County Championship round. Each team member and head coach of these six finalist teams will receive a trophy. A school trophy will also be awarded to these six schools. All trophies have been donated by the Polk Economic Education Council. We would like to thank the Council for its support which includes not only the trophies, but also the ribbons, T-shirts and lunch.

Introduce the judges, scorekeepers, and student assistants, if any.

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

Conduct a button check.

Begin the 5-point question round for 6th grade.

ECON 1. Spell the word to fill in the blank. _____ is the study of the use of scarce resources to fulfill society's unlimited needs and wants.

Answer: economics

ECON 2. Which one of the following four individuals is a producer of a consumer good?

1. hairdresser
2. attorney
- *3. baker
4. air conditioning repairman

ENG 3. Complete the following analogy using one of the four given choices.

Trade is to _____ as opportunity cost is to trade-off.

1. purchase
- *2. barter
3. tariff
4. service

MATH 4. A businessman left New York at 1:00 p.m. Following a 2-hour layover and meeting in Chicago the plane continued on and landed in Seattle 6 1/2 hours after leaving New York. What time was it, Pacific time, when the businessman landed in Seattle?

Answer: 4:30 p.m.

ECON 5. Which one or ones of the following four are examples of capital goods?

- *1. an airplane factory in Seattle
2. a coffee percolator in the company lunchroom
- *3. an air hammer used by a construction worker
4. a hammer used by your father to hang pictures

ENG 6. Use all of the following eight words to form a wise saying:

a, and, money, are, his, parted, fool, soon

Answer: A fool and his money are soon parted.

ECON 7. Which one or ones of the following four are fossil fuels?

- *1. coal
- *2. natural gas
- *3. kerosene
- 4. wood

MATH 8. Find the perimeter in centimeters of a rectangle whose length is 15 centimeters and whose width is 2.9 centimeters.

Answer: 35.8

SCI 9. Spell the word that completes the following: After collecting basic information, scientists usually suggest an answer to the problem they have defined.

The term for an educational guess to a question is a or an _____.

Answer: h - y - p - o - t - h - e - s - i - s

ECON 10. Which one of the following four events occurred last?

- *1. Fred purchased a car with the profit from his Bedrock Industries stock.
- 2. Barney suggested that Fred invest in Bedrock Industries stock.
- 3. Bedrock Industries stock increased in value.
- 4. Fred invested in Bedrock Industries stock.

End of 5-point round for 6th grade.

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 for 6th grade.

ECON 11. What name would be given to an industry containing a small number of firms?

Answer: oligopoly

SCI 12. Match each of the four scientists to his contribution to the sciences.

<u>Scientists</u>	<u>Contributions</u>
A. Dalton	1. telephone
B. Galileo	2. cell
C. Bell	3. atom
D. Hooke	4. telescope

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

ECON 13. Fill in the blank using one of the four given choices. When you decide to make a purchase, one of the most important criteria for making a decision is how useful your purchase will be to you. Economists generally use the term _____ to describe this phenomenon.

1. uniformity
2. price satisfaction
3. desire
- *4. utility

MATH 14. A ticket to a ball game is \$20. A season's pass for 25 home games is \$400. How much would be saved by buying the season's pass?

Answer: \$100

ECON 15. Fill in the blank. Sundown Furniture is the world's largest producer of sofa beds. In their factory Cindy covers the cushions, Randal sets the springs, Whitney attaches the frame to the bed and Josh covers the sofa. The Sundown factory is an example of the economic concept of _____.

Answer: division of labor (accept: specialization)

ECON 16. Fill in the blank with the economics term beginning with the letter s. If the price of good A increases, the quantity demanded of its _____, good B, will increase.

Answer: substitute

ENG 17. Match each of the four authors to his work.

<u>Authors</u>	<u>Works</u>
A. C.S. Lewis	1. <u>Romeo and Juliet</u>
B. Frances Burnett	2. <u>The Lion, the Witch and the Wardrobe</u>
C. William Shakespeare	3. <u>Where the Sidewalk Ends</u>
D. Shel Silverstein	4. <u>The Secret Garden</u>

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

- SCI 18.** Supply respectively the two words which complete the following statement.

Any compound that turns blue litmus paper red is a or an _____, and any compound that turns red litmus paper blue is a or an _____.

Answer: acid, base

- ENG 19.** Match each of the four Greek mythological characters to his or her title.

<u>Characters</u>	<u>Titles</u>
A. Hera	1. goddess of wisdom
B. Hermes	2. god of war
C. Ares	3. queen of the gods
D. Athena	4. messenger god

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

- MATH 20.** Jerry Baker, an automobile dealer, purchased an auto from the company he represented. The purchase price was \$27,200. Jerry received a 25% discount. What was the net price of the car?

Answer: \$20,400

End of 10-point round for 6th grade.

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 15-point question round for 6th grade.

- ECON 21.** Fill in the two blanks using one of the four given choices. According to the law of demand, as the price of a good or service falls, a _____ quantity will be bought. As the price of a good or service increases, a _____ quantity will be bought.

1. smaller, larger
2. fixed, fixed
- *3. larger, smaller
4. decreasing, fixed

- ENG 22.** Punctuate the following sentence which ends with the word June:

While we are at the store can we buy Mothers birthday present asked June

Answer: "While we are at the store, can we buy Mother's birthday present?" asked June.

ECON 23. Spell the word which completes the following definition. _____
economics is the study of the economy based upon value judgments about economic policies.

Answer: n - o - r - m - a - t - i - v - e

SCI 24. Identify respectively the number of protons, neutrons, and electrons of oxygen which is the eighth element on the periodic table and has an atomic mass of 16.

Answer: protons = 8, neutrons = 8, electrons = 8

ECON 25. Which one of the following four best completes the statement, the function of a stock exchange is to:

1. determine at what price stocks should be bought and sold.
- *2. provide a marketplace for securities transactions.
3. buy stocks to resell to the public.
4. research and recommend top stock investments.

MATH 26. The dimensions of a packing box are 10 inches, 15 inches and 20 inches. Packing tape will be run along each edge of the box to seal it. How many inches of tape will be needed?

Answer: 180

ECON 27. Which one or ones of the following four would be true if prices of a product increased?

- *1. Suppliers will increase what they produce.
- *2. Potential suppliers will be attracted into the market.
- *3. Total output will increase.
4. Suppliers will decrease their production.

ENG 28. Identify the three economic terms which are used with different meanings in the following sentence:

As Ted was trying to net his fish, he slipped because he did not have a firm grip on the steep bank.

Answer: net, firm, bank

ECON 29. Fill in the two blanks in the following definition. A table of various prices for an item and the amount of that item that will be purchased at those various prices is known as a _____ .

Answer: demand schedule
(Do not accept demand curve because a table is a schedule.)

MATH 30. Betty reads the following advertisement in the newspaper. “The original sound track for the movie Titanic is available on compact disc for \$10.88. A \$2.50 mail-in rebate is available.” Disregarding the cost of postage, what is the total cost of the disc if the sales tax is 6% and Betty takes advantage of the rebate?

Answer: \$9.03

$$(10.88 \times .06 = 0.65; 10.88 + 0.65 = 11.53; 11.53 - 2.50 = 9.03)$$

End of 15-point round for 6th grade.

It is time for the 30-point team question entitled “Hercules.”

For this team question you will be given Handout 6-2-1.

Do not distribute the handouts until you are instructed to do so.

This team question is worth a total of 30 points. Each question is worth 3 points.

You will be given 3 minutes to complete the handouts. Remember to identify one handout in the upper left hand corner as your team answer sheet to be collected and scored.

Distribute the handouts face down. (Pause.)

Turn the handouts over and begin.

Time 3 minutes.

STOP! Hold your team answer sheet in the air. (Collect.)

Read answers: (3 points each)

1. 210
2. ulna, radius (either order)
3. 10
4. Zeus
5. Heracles
6. Hera
7. 24 (Note: $12 \times 2 = 24$; He killed a lion as his first task.)
8. bull
9. drachma
10. 12

Announce scores from the team question.

Say: Are there any questions?

Announce the two-minute break during which the 7th grade team is seated. Have the judges turn over their question sets. (Collect handouts and put out fresh paper and pencils if needed.)

Handout 6-2-1

Team # _____

Time 2 minutes.

Conduct a button check after the break.

Announce cumulative scores.

Begin the 5-point question round for 7th grade.

ECON 1. For what do the letters IRS stand?

Answer: Internal Revenue Service

MATH 2. Division is the inverse operation of subtraction. True or false?

Answer: false (Note: multiplication)

ECON 3. Complete the following statement using one of the four given choices. The wise consumer does not _____.

1. read labels carefully
- *2. buy on impulse
3. make a shopping list
4. comparison shop

ENG 4. Complete the following analogy using one of the four given choices.

Switzerland is to William Tell as _____ is to Robin Hood.

- *1. England
2. Scotland
3. Wales
4. Ireland

ECON 5. Which one or ones of the following four are characteristics of the oligopoly form of market structure?

- *1. dominated by a few sellers
2. easy entry
- *3. nonprice competition
4. no substitutes

MATH 6. Barbara is thinking of a number. If you multiply it by 5, then subtract 4, then add 6, and finally divide by 2, the result is 51. What number is Barbara thinking of?

Answer: 20
(Source: Algebra Warm-ups)

ECON 7. Two-word letter scramble. Unscramble the following letters to form a two-word economics term. Identify the term.

First word: A A E I R V L B

Second word: S S O T C

Answer: variable costs

ECON 8. For what is GDP an abbreviation?

Answer: Gross Domestic Product

SCI 9. Which one of the following four is not a part of the sun's structure?

1. photosphere
- *2. nucleus
3. chromosphere
4. corona

ENG 10. Give the pen name for Samuel Clemens.

Answer: Mark Twain

End of 5-point round for 7th grade.

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 for 7th grade.

SS 11. The vice president of a marketing company has just returned from Sidney, Shanghai, Saskatchewan, and Soweto. Identify respectively the countries she visited.

Answer: Australia, China, Canada, and South Africa

ENG 12. Match each of the four Greek words to its meaning.

	<u>Greek words</u>	<u>Meanings</u>
A.	pseudo	1. large
B.	demos	2. false
C.	neos	3. new
D.	makros	4. people

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

MATH 13. What is the sum of the prime factors of 30?

Answer: 10

ECON 14. Which one of the following three functions of money is being employed when investing in an IRA?

1. a medium of exchange
2. a unit of accounting
- *3. a store of value

SCI 15. Name the three classifications or types of rocks.

Answer: igneous, sedimentary, metaphoric (any order)

ECON 16. Fill in the two blanks in the following definition. _____
_____ is the extra satisfaction one receives from consuming one more unit of a good or service.

Answer: Marginal utility

MATH 17. Suppose you have 16 animals on the beach, some turtles and some pelicans. There are 52 legs on the beach. How many turtles and how many pelicans are on the beach?

Answer: 10 turtles and 6 pelicans

ECON 18. Complete the following analogy using one of the four given choices.

_____ is to a free good as an automobile is to a(n) _____.

1. sunshine, homogeneous product
- *2. air, economic good
3. economic good, durable good
4. durable good, nondurable good

SCI 19. Identify the type of relationship between organisms in which all of the organisms benefit from the relationship.

Answer: mutualism

SS 20. Match each of the four tourist attractions to the state in which it is located.

<u>Attractions</u>	<u>States</u>
A. Grand Coulee Dam	1. Utah
B. The Great Salt Lake	2. Maryland
C. Helen Keller's birthplace	3. Alabama
D. Antietam Battlefield	4. Washington

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

End of 10-point round for 7th grade.

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 15-point question round for 7th grade.

ECON 21. Complete the following statement by supplying the missing words.

Two of the differences between common and preferred stock are that preferred stockholders receive a _____ dividend and have no _____ privileges.

Answer: fixed, voting

MATH 22. Maria is paid twice as much per hour for overtime work as for her usual work. One week she worked 46 hours and earned \$260. If her usual work week is 40 hours, what is her usual hourly rate of pay?

Answer: \$5.00

ECON 23. Which one or ones of the following three would be the most likely result if the United States restricts imports of foreign cars?

- *1. more jobs in the American automobile industry
- *2. trade restrictions imposed by other nations on American exports
- *3. fewer foreign sales of American goods

ENG 24. Match each of the four figures of speech to the correct expression.

<u>Figures of Speech</u>	<u>Expressions</u>
A. simile	1. mile-high ice cream cones
B. metaphor	2. her cheeks were roses
C. personification	3. as warm as toast
D. hyperbole	4. the sun smiled

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

ECON 25. Which one of the following four economists is most closely identified with the term "invisible hand"?

- 1. David Ricardo
- *2. Adam Smith
- 3. Karl Marx
- 4. Alan Greenspan

SCI 26. Supply respectively the two missing words in the following statement.

The gravitational force exerted on an object is called its _____, and it is measured in _____, the international metric unit.

Answer: weight, newtons

ECON 27. Which one of the following four is measured by the Consumer Price Index?

- *1. inflation
- 2. utility
- 3. product quality
- 4. consumer sovereignty

MATH 28. José's shadow is 8 feet long at the same time that the shadow of a nearby tree is 32 feet long. If José is 6 feet tall, what is the height of the tree in feet?

Answer: 24

ECON 29. Fill in the blank. When the price of an item increases, the quantity demanded for that item decreases which indicates that a or an _____ relationship exists between price and demand.

Answer: inverse

ECON 30. Which one of the following four types of business organizations is best described by the terms unlimited life and limited liability?

- 1. proprietorship
- 2. partnership
- *3. corporation
- 4. monopoly

End of 15-point round for 7th grade.

It is time for the 30-point team question entitled "Aladdin."

For this team question you will be given Handout 7-2-2.

Do not distribute the handouts until you are instructed to do so.

This team question is worth a total of 30 points. Each question is worth 3 points.

You will be given 3 minutes to complete the handouts. Remember to identify one handout in the upper left hand corner as your team answersheet to be collected and scored.

Distribute the handouts face down. (Pause.)

**Turn the handouts over and begin.
Time 3 minutes.**

STOP! Hold your team answer sheet in the air. (Collect.)

Read answers: (3 points each)

1. \$1.50
2. 120
3. Asia
4. Gobi
5. appositive
6. rock
7. wants
8. brown
9. friction
10. 30

Announce scores from the team question.

Say: Are there any questions?

Announce the two-minute break during which the 8th grade team is seated. Have the judges turn over their question sets. (Collect handouts and put out fresh paper and pencils if needed.)

Time 2 minutes.

Conduct a button check after the break.

Announce cumulative scores.

Begin the 5-point question round for 8th grade.

SS 1. Which one of the following four individuals resigned as Vice President as a result of the Tariff of Abominations?

1. Lyndon Johnson
2. Andrew Johnson
- *3. John C. Calhoun
4. John Adams

SCI 2. Fill in the blank with the one missing word.

After a cell finishes prophase, the next stage of mitosis it enters is _____.

Answer: metaphase

ECON 3. Fill in the blank. Anything people can use to make or produce goods and services is known as a or an _____.

Answer: resource

Handout 7-2-2
Team #_____

MS 4. What is the product of vowels and consonants in the word proprietorship?

Answer: 45 (Note: 5 x 9)

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

S T A L I C A M P I

Answer: capitalism

SCI 6. What is the name given to the mound of water that builds up near the eye of a hurricane due to low pressure which is the most dangerous part of a hurricane?

Answer: storm surge

ECON 7. Which one of the following four is defined as a corporation that is made up of businesses selling unrelated products?

1. pool
- *2. conglomerate
3. cartel
4. trust

ECON 8. Name the four factors of production.

Answer: land, labor, capital, entrepreneurship (accept: management)

SCI 9. What is the layer of the atmosphere in which most weather occurs?

Answer: troposphere

ENG 10. Identify the words in the following sentence which should be capitalize.

mark brown went to circuit city on tuesday to buy a panasonic radio and three cassette tapes.

Answer: Mark Brown, Circuit City, Tuesday, Panasonic

End of 5-point round for 8th grade.

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 for 8th grade.

SS 11. Which one of the following three describes in the correct sequence the stages of development undergone by industrialized countries?

1. manufacturing, agriculture, services
- *2. agriculture, manufacturing, services
3. agriculture, services, manufacturing

MATH 12. What is 10^9 divided by one million?

Answer: 1000 (accept: 10^3)

ECON 13. Which one or ones of the following four are used to figure Gross National Product?

- *1. business goods
2. net imports
- *3. consumer goods
- *4. government goods

SCI 14. Supply respectively the three missing words in the following two statements.

Air moves from an area of _____ pressure to an area of _____ pressure. Air pressure is measured with a _____.

Answer: high, low, barometer

ECON 15. Name the four types of unemployment.

Answer: cyclical, structural, frictional, seasonal

ENG 16. Who wrote the poem which begins with the following lines?

Two roads diverged in a yellow wood,
And sorry I could not travel both.

Answer: (Robert) Frost

ECON 17. Fill in the two blanks. The _____ _____ is an economic model showing how income and products move between individuals and businesses in the economy.

Answer: Circular Flow

ENG 18. Identify the dependent clause in the following sentence: We're going to have a bake sale unless it rains today.

Answer: unless it rains today

SCI 19. Name the two most abundant gases that make up the earth's atmosphere.

Answer: nitrogen and oxygen

MATH 20. A clerk mistakenly overcharged a customer \$.27 by reversing the two-digits in the price of a marking pen. If the sum of the digits was 13, what was the correct price of the pen?

Answer: \$.58

End of 10-point round for 8th grade.

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 15-point question round for 8th grade.

ECON 21. After a lengthy wage dispute with their workers Silicon Incorporated increased the base salary of every employee by \$1 per hour. This led to the company increasing its product prices by 10%. Which one of the following four types of inflation best matches this example?

1. demand-pull inflation
2. demand-push inflation
3. cost-pull inflation
- *4. cost-push inflation

MATH 22. What are the last two digits of 6^{1000} ?

Answer: 76

SS 23. Match each of the four explorers to his achievement.

<u>Explorers</u>	<u>Achievements</u>
A. Vasco de Balboa	1. explored Florida
B. Sir Francis Drake	2. conquered Mexico
C. Juan Ponce de Leon	3. sailed around the world
D. Hernando Cortes	4. first sighted Pacific Ocean

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

ECON 24. Which one or ones of the following four are considered part of the business cycle?

- *1. contraction
- 2. inflation
- 3. entrepreneurship
- *4. trough

For the next question you will be given Handout 8-2-3. Do not distribute these until you are instructed to do so. (Pause.) You may distribute these face up.

SCI 25. This is a three-part question. According to the diagram, which bulbs will continue to light if . . .

- 1. Bulb A blows out?
- 2. Bulb B blows out?
- 3. Bulb C blows out?

Answer: 1. None; 2. A, C, D, E; 3. A, B, E

(Source: Electricity and Magnetism Test Book, Prentice Hall Science)

ECON 26. Match each of the four economic systems to the scenario which best describes it.

Economic Systems

- A. Traditional
- B. Command
- C. Market
- D. Mixed

owned

footsteps

reorganization;

Scenarios

- 1. The factory manager waited patiently for his new quota numbers from the Government Planning Office.
- 2. In the town of Richmond all means of distribution and production were owned by individuals.
- 3. Samuel looked forward to following in his father's and grandfather's footsteps as the best fisherman in the village.
- 4. The business owner was very pleased with his factory's new reorganization; he now waited to see how the new government regulations would affect his business.

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

ENG 27. Match each of the four terms to its definition.

Terms

- A. allusion
- B. metaphor
- C. personification
- D. onomatopoeia

Definitions

- 1. words that imitate natural sounds
- 2. references to characters or situations in history or literature
- 3. a comparison of two unlike items

4. giving lifelike qualities to inanimate objects

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

Handout 8-2-3

For the next question you will be given Handout 8-2-4. Do not distribute these until you are instructed to do so. (Pause.) You may distribute these face up.

- ECON 28.** This is a two-part question concerning the graph.
Part 1: What is the maximum quantity of butter that can be produced in Ecomania in a single year?
Part 2: What is the opportunity cost in guns if Ecomania produces 6,000 tons of butter?

Answer: Part 1: 18,000 tons; Part 2: 5,000 tons

- MATH 29.** Guess my number. It is a natural number; it is divisible by 3 and by 5; when divided by 7, a remainder of 4 is left. What is the smallest number that my number can be?

Answer: 60

- ECON 30.** Identify respectively each of the following four examples of unemployment as cyclical, structural, frictional, or seasonal.

1. The golf professional who ran a golf course in Minnesota was out of work for 5 months of every year.
2. The Toyota plant installed new equipment to automatically paint the cars on the assembly line and laid off 250 workers who had been doing the painting.
3. As the recession grew worse the steel mill cut 400 jobs, leaving 400 workers unemployed.
4. William was not happy in his job at the state attorney's office so he quit and is looking for work in a private law firm.

Answer: 1. seasonal, 2. structural, 3. cyclical, 4. frictional

End of 15-point round for 8th grade.

It is time for the 30-point team question entitled "The Little Mermaid."

For this team question you will be given Handout 8-2-5.

Do not distribute the handouts until you are instructed to do so.

This team question is worth a total of 30 points. Each question is worth 3 points.

You will be given 4 minutes to complete the handouts. Remember to identify one handout in the upper left hand corner as your team answersheet to be collected and scored.

Distribute the handouts face down. (Pause.)

Turn the handouts over and begin.

**Time 4 minutes.
Handout 8-2-4**

STOP! Hold your team answer sheet in the air. (Collect.)

Read answers: (3 points each)

1. Poseidon
2. Jules Verne
3. red herring
4. 234
5. photosynthesis
6. crustaceans
7. archipelago
8. opportunity cost (accept: trade-off)
9. 34,290
10. When the waves are high

Announce scores from the team question.

Say: Are there any questions?

Teams should remain seated until final scores are computed.

[If scores are tied for one of the first three places, 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.

Time 2 minutes.

Begin tie-breaker question round.

Conduct a button check.

One point is awarded to the team for a correct answer, or one point is subtracted for an incorrect answer.

Handout 8-2-5

Team # _____