

1995 Polk County Middle School E-Team Tournament

Introduce yourself. Welcome the participants and give the significance of this particular competition. The six teams with the highest scores of all competing teams will compete in the County Championship round this afternoon.

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. Fill in the blank using one of the four given choices. Scarcity forces us to make ____.

1. goods and services
- *2. choices
3. money
4. price

ECON 2. Letter scramble. Unscramble the following letters to form a two-word economics term. Identify the term.

First word: K R E W R O
Second word: T T I I D O P R C Y V U

Answer: worker productivity

MATH 3. If corn sells for \$6 per bushel, how much can a farmer expect to receive for 4,397 bushels?

Answer: \$26,382
(Note: 6 x 4397)

ECON 4. State the 13-letter economics term of which promoting the "Big Mac Attack" is an example.

Answer: advertisement

SCI 5. Fill in the blank:

The four phases of matter are solid, liquid, gas, and _____.

Answer: plasma
(Source: Prentice Hall)

SS 6. Name the country associated with unusual marsupials such as koalas and kangaroos.

Answer: Australia

ECON 7. Which one of the following four concepts is expressed as "too many dollars chasing too few goods?"

1. cost-push inflation
2. good-resource production
3. efficiency-output combination
- *4. demand-pull inflation

ENG 8. What one word has been omitted from both of the following two idioms?

1. as the _____ flies
2. eat _____

Answer: crow

ECON 9. It is possible for a person to spend more within a given time period than they earn. True or false?

Answer: true

SS 10. This is a two-part question.

- Part 1: Name the tallest mountain in the world.
Part 2: Identify its mountain range.

Answer: Part 1: Mt. Everest, Part 2: Himalayas
(Source: 1994 Almanac, p. 538)

End of 5-point round for 6th grade.

Announce the two-minute break. 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. Complete the following statement using one of the four given choices. The labor force is _____.

1. the number of employed workers in a nation
2. the number of employed workers in a nation, less the number of unemployed workers
3. the number of unemployed workers
- *4. the total number of both employed and unemployed workers in a nation

SS 12. What is the term for a great sea wave produced by an earthquake or volcanic eruption in the Pacific Ocean?

Answer: tsunami (accept: tidal wave)
(Source: World Geography, p. 731)

ECON 13. Cost-push is a type of inflation caused by increases in the desire for a product. True or false?

Answer: false

SCI 14. This is a two-part question.

Name the two particles found in the nucleus of the atom and give their charge.

Answer: proton - positive charge, neutron - no net charge
(accept: none or similar response)

ECON 15. State, in order, the five steps of the PACED decision-making model.

Answer: 1. State the problem.
2. List the alternatives.
3. List the criteria.
4. Evaluate the alternatives using the criteria.
5. Make a decision.

(Note: Accept the one-word underlined answers.)

SS 16. Match each of the three religions to the associated country.

<u>Religions</u>	<u>Countries</u>
A. Hinduism	1. India
B. Buddhism	2. Saudi Arabia
C. Islam	3. Japan

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

ECON 17. Which one of the following four is defined as the interest rate which Federal Reserve Banks charge banks for the use of money?

1. prime rate
2. commercial rate
- *3. discount rate
4. bank rate

SCI 18. Fill in the blank in the following statement: _____ is a measure of the gravitational pull on an object.

Answer: weight

ENG 19. This is a two-part question. Give the number of vowels and the silent letter in the word competitive.

Answer: five; (the final) e

ECON 20. Fill in the blank in the following statement: _____ is the ease and speed with which you can withdraw money from savings.

Answer: liquidity
(Source: Vocabulary and Give and Take, guide books, p. 8)

End of 10-point round for 6th grade.

Announce the two-minute break. 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. Which one or ones of the following four are the main purposes of saving?

- *1. to make large purchases
- *2. to earn interest
- *3. for emergencies
- *4. for retirement

(Source: Give and Take, guide book, p. 8)

For the next question you will use the following information. One by one, a negatively charged plastic ruler is brought near three light, metal-curved spheres suspended by nylon threads. The ruler repels A and attracts B and C. A attracts B, and B repels C.

SCI 22. What are the charges on each of the spheres?

Answer: A is negative; B and C are positive

SS 23. Using the five themes of geography, identify which type of location applies to the following two descriptions of Orlando, Florida.

- 1. 29°N, 81°W
- 2. in Central Florida, northeast of Lakeland

Answer: 1. absolute (location)
2. relative (location)

ECON 24. Identify each of the following four sets of initials from your economics glossary of terms:

- 1. APR
- 2. FDIC
- 3. FTC
- 4. USDA

Answer: 1. Annual Percentage Rate
2. Federal Deposit Insurance Corporation
3. Federal Trade Commission
4. United States Department of Agriculture

ENG 25. Which one of the following four books was written by Laura Ingalls Wilder?

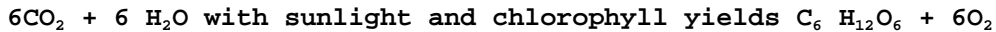
1. The Old Man and the Sea
2. The Chronicles of Narnia
3. Little Women
- *4. Little House on the Prairie

SS 26. Identify the continent associated with each of the following three cultures:

1. Bantu
2. Aborigine
3. Mongols

Answer: 1 - Africa, 2 - Australia, 3 - Asia

For the next two questions refer to the following equation:



SCI 27. Which one of the following four is described by the given equation?

1. pollination
2. transpiration
- *3. photosynthesis
4. fertilization

SCI 28. Which one of the following four is the food produced by the process in the given equation?

- | | |
|-------------|-------------------|
| 1. oxygen | 3. carbon dioxide |
| *2. glucose | 4. water |

ECON 29. Identify respectively the four paper currencies which display the likeness of the following four individuals.

1. Andrew Jackson
2. Abraham Lincoln
3. George Washington
4. Alexander Hamilton

Answer: 1. \$20, 2. \$5, 3. \$1, 4. \$10

MATH 30. If the Russian spaceship, Sputnik I, circled the earth every 90 minutes, how many times did it circle the earth in one day?

Answer: 16
(Note: $24 \times 60 = 1440$; $1440 \div 90 = 16$)

End of 15-point round for 6th grade.

Announce the two-minute break. Coaches may make substitutions and talk with their teams.

Time 2 minutes.

Conduct a button check after the break.

Announce cumulative scores.

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

SS 1. Name the capital of Haiti.

Answer: Port-au-Prince

ECON 2. Which one of the following four, purchases most of the nation's output of goods and services?

1. private businesses
- *2. consumers
3. state and local governments
4. the federal government

SCI 3. What supervertebrates were to replace amphibians as masters of the land?

Answer: reptiles
(Source: Openings for Biology Classes)

ECON 4. Spell the economics term used for the ability to convert an asset into cash easily and quickly.

Answer: l-i-q-u-i-d-i-t-y

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

P I O G Y O L O L

Answer: oligopoly

ENG 6. Which one of the following two sentences has a predicate nominative or predicate noun?

1. That apple pie tastes very sour to me.
- *2. Apple pie is always a favorite with dessert lovers.

ECON 7. In the United States, banks have the power to create new money. True or false?

Answer: true

ECON 8. Identify respectively each of the following four as public or private property:

1. the Checker Cab Company
2. a telephone company
3. Barnett Bank
4. State Road 60

Answer: 1 - private, 2 - private, 3 - private, 4 - public

ECON 9. Which one of the following four is an example of a tax based on the benefits-received principle?

1. income tax
2. sales tax
3. property tax
- *4. bridge toll

SCI 10. Fill in the blank in the following statement:

The liquid portion of the blood is called _____.

Answer: plasma
(Source: Prentice Hall, p. 282)

End of 5-point round for 7th grade.

Announce the two-minute break. 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.

ECON 11. I will give you all the vowels of a two-word economics term. Identify the term.

First word: — u — — e —
Second word: — e — — i — i —

Answer: budget deficit

ECON 12. Which one of the following four economic goals is defined as making the best use of our limited resources?

- *1. efficiency
2. growth
3. stability
4. profit

(Source: Give and Take, guide book, p. 6 and glossary)

SCI 13. Arrange the following five organisms into a food chain:

grass, grasshopper, bear, fish, frog

Answer: grass, grasshopper, frog, fish and bear
(Source: Science + - Red, p. 59)

ECON 14. Fill in the blanks with the missing two-word economics term.

A _____ is any aspect of government policy which inhibits the free exchange of goods and services between nations.

Answer: trade barrier

ECON 15. Which one of the following four is not an advantage of corporations?

1. limited liability
2. unlimited life
3. easy transfer of ownership
- *4. difficulty in raising funds for expansion

SCI 16. Name the three classifications of rocks.

Answer: sedimentary, igneous, metamorphic (any order)

SS 17. Match each of the four nicknames to its state.

<u>Nicknames</u>	<u>States</u>
A. Tarheels	1. Louisiana
B. Hoosiers	2. North Carolina
C. Cajuns	3. Oklahoma
D. Sooners	4. Indiana

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

ECON 18. Which one of the following three is a government agency that insures various kinds of savings?

1. FICA
2. FTC
- *3. FDIC

ECON 19. Identify respectively each of the following four as a good or a service.

1. a bus ride
2. a bicycle
3. skate rental
4. an ice cream cone

Answer: 1. service, 2. good, 3. service, 4. good

ECON 20. Complete the following statement using one of the three given choices:

Alvin Atwell is buying shares of stock in a retail corporation because he is convinced that the price of its stock is going to rise very soon. Alvin is a _____.

1. "bear"
2. pessimist
- *3. "bull"

End of 10-point round for 7th grade.

Announce the two-minute break. 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.

ENG 21. Identify each of the following two quotations as an example of a metaphor or a simile.

1. Fred's a pig at the table.
2. My mother eats like a bird.

Answer: 1. metaphor; 2. simile

ECON 22. Which one of the following four would be the exchange rate if a British suit costs 24 pounds or \$60.

- *1. two and a half dollars to the pound
2. two and a half pounds to the dollar
3. four dollars to the pound
4. six pounds to the dollar

SCI 23. Name the four types of tissue in the human body.

Answer: muscle, connective, nerve, epithelial (any order)
(Source: Prentice Hall, p. 244)

ECON 24. Which one of the following four is not a basic right of all consumers in the U.S.?

1. the right to protection
2. the right to make a selection
3. the right to honest information
- *4. the right to discounts

(Source: Give and Take, p. 6)

ECON 25. Which one of the following four agencies is not a government agency?

1. Food and Drug Administration
 - *2. Better Business Bureau
 3. Interstate Commerce Commission
 4. Consumer Product Safety Commission
- (Source: Give and Take)

SS 26. Identify two of the five themes of geography which apply to the following statement:

Excessive precipitation caused flooding in Georgia which closed Interstate 75 for several days during the summer of 1994.

Answer: human-environment interaction and movement

ECON 27. This is a two-part question. Assume you purchase a stereo system for \$1,500. Your down payment is \$200; each monthly payment for one year is \$140.10.

- Part 1: What is the total cost of the purchase?
Part 2: What is the total finance charge?

Answer: Part 1: \$1,881.20; Part 2: \$381.20
(Source: Give and Take, p. 11)

SCI 28. Name the method of movement for each of the following three organisms.

1. an amoeba
2. a paramecium
3. a euglena

Answer: 1. pseudopods, 2. cilia, 3. flagellum

ECON 29. Which one of the following four is the difference between nominal GNP and real GNP?

1. depreciation
- *2. inflation
3. competition
4. arbitration

SCI 30. Suppose a 100gram sample of a radioactive substance has a half life of 20,000 years. How many grams of the original substance will be left after 40,000 years?

Answer: 25

End of 15-point round for 7th grade.

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

For this team question you will be given Handouts 7-1-1 and 7-1-1A and a calculator.

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 three 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 answer sheet to be collected and scored.

Distribute the handouts face down. (pause)

Turn the handouts over and begin.

Time 4 minutes.

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

Read answers: (3 points each)

1. Russia
2. Liechtenstein
3. France
4. Albania
5. Russia
6. Liechtenstein
7. United Kingdom
8. Liechtenstein
9. \$1,174,000,000,000
10. 52,018,020

Announce scores from team question.

Say: Are there any questions?

Announce the two-minute break during which the 8th grade team is seated. (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.

Handout 7-1-1
Team # _____

Handout 7-1-1A
Team # _____

TABLE IT

Use the table to answer the following questions.

Identify the country associated with each of the following characteristics:

1. largest land size _____
2. least populous _____
3. highest standard of living _____
4. most rural _____
5. shortest lifespan _____
6. healthiest babies _____
7. most densely populated _____
8. highest ability to read
and write _____
9. Compute the GDP of Germany
to the nearest billion. _____
10. Compute the number of
persons living in the cities
of the United Kingdom. _____

ECON 1. Complete the statement using one of the four given choices.

A public school in the U.S. is an educational service that is:

1. owned by parents and teachers
2. only for poor people
- *3. owned by the city or community
4. run by people seeking to make a profit

ENG 2. Select was or were in the following two sentences.

1. Rockets (were, was) the signal to begin the game.
2. The signal to begin the game (were, was) rockets.

Answer: 1. were; 2. was

ECON 3. What is the opportunity cost to a nation that chooses to spend another \$1 billion on a defense project rather than on an education program?

Answer: \$1 billion on an education program

SS 4. Unscramble the letters to form the two-word term which means a person who signed an agreement to serve a master for a number of years in return for passage to America.

First word: N N E E D D U I T

Second word: E A V T N R S

Answer: indentured servant

ECON 5. Identify respectively each of the following three as either a monopoly, an oligopoly, or a competition.

1. Pepsi Cola
2. Lakeland Electric Company
3. J.C. Penney Department Store

Answer: 1. oligopoly, 2. monopoly, 3. competition

MATH 6. State the degree of the polynomial, $x^2yz + x^3yz^2$.

Answer: 6

(Note: degree found by adding exponents within each term and choosing largest: $2 + 1 + 1$ is less than $3 + 1 + 2$)

ECON 7. Match each of the four countries to its currency.

<u>Countries</u>	<u>Currencies</u>
A. Brazil	1. krone
B. Australia	2. schilling
C. Switzerland	3. franc
D. Norway	4. cruzeiro

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

ECON 8. Complete the following statement using one of the four given choices.

Welfare programs are paid for by _____.

1. negative income tax receipts
2. the Federal Reserve System
- *3. the taxpayers
4. the recipients

SS 9. What geometric term describes a pattern of trade engaged in by the American colonists in New England?

Answer: triangle (accept: triangular)

SCI 10. Pluto is always the farthest planet from the sun. True or false?

Answer: false

(Note: Pluto's orbit is a more elongated ellipse so it sometimes comes inside Neptune's orbit.)

End of 5-point round for 8th grade.

Announce the two-minute break. 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 four enactments of Parliament was not an attempt to curb colonial manufacturing?

1. the Hat Act
- *2. the Molasses Act
3. the Wool Act
4. the Iron Act

ECON 12. Fill in the blank using one of the four given choices. During a period of inflation, the purchasing power of money _____.

- *1. declines
2. increases
3. stays the same
4. becomes nonexistent

SS 13. Which one of the following four individuals would most likely have had a college education during early colonial times?

1. merchant
2. printer

3. farmer
- *4. clergyman

For the next three questions you will be given Handout 8-1-1. Leave these where they are placed until you are given the directions. (pause) You may distribute these face up.

ECON 14. Fill in the blank with one of the following four choices. This graph is an example of a ___.

1. Supply and Demand Model
- *2. Production Possibilities Model
3. Circular Flow Model
4. Scarcity Decision Model

ECON 15. Which one of the following four concepts does the Production Possibilities Model illustrate?

- *1. opportunity cost
2. supply
3. taxation
4. international trade

ECON 16. What is the opportunity cost of producing the 10th coconut?

Answer: 4 pineapples

SS 17. According to one of the compromises made in writing the U.S. Constitution, what fraction of the slaves were to be counted in the population of a state for representation purposes?

Answer: 3/5

ENG 18. Which one or ones of the following four are examples of a third-person narrator?

1. I
2. we
- *3. John
4. you

MATH 19. State the simplified form for the following expression:

6 times 4x plus 7 times the quantity of y minus 2x

Answer: $10x + 7y$

For the next question you will need this information. The echo-sounder, developed in the 1920s, sends out a beam of sound waves, some of which are reflected back toward the source when they strike something. These ultrasonic sound waves travel through water at about 1500 meters per second.

SCI 20. What is the depth of the water in meters if it takes 20 seconds for a sound wave to reach the ocean bottom and return?

Answer: 15,000

(Source: Prentice Hall, General Science)

Handout 8-1-1

End of 10-point round for 8th grade.

Announce the two-minute break. 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. Spell the economics term that best explains the rivalry among European nations for resources in the New World.

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

SCI 22. Which one of the following four represents the largest mass?

- *1. 100 grams
 2. .01 kilogram
 3. 10,000 milligrams
 4. 10 centigrams
- (Source: Prentice Hall)

For the next four questions you will be given Handout 8-1-2. Leave these where they are placed until you are given directions. (pause) You may distribute these face up.

ECON 23. This is a two-part question. What is the equilibrium price and equilibrium quantity of product K?

Answer: \$3.00; 3 units

ECON 24. Fill in the blank with the one missing word. When the government sets the price of product K at \$5.00 it has created a price _____.

Answer: floor

ECON 25. Which one of the following four conditions would result from a price floor of \$5.00?

1. shortage
2. quota
- *3. surplus
4. scarcity

ECON 26. A surplus of how many units would be created by a price floor of \$5.00?

Answer: 4 (units)

Handout 8-1-2

ENG 27. I will give you every other letter of a two-word title of a play by William Shakespeare. Identify the title.

First word: _ u _ i _ s
Second word: _ a _ s _ r

Answer: Julius Caesar

ECON 28. Which one of the following four actions would probably lead to an increase in the demand for bricks?

- *1. an increase in the price of lumber
 2. a decrease in the income of potential home builders
 3. an increase in the wages of bricklayers
 4. an increase in the price of bricks
- (Source: Gerson Antell, Economics)

SS 29. Which one of the following four is an example of a law that placed a direct tax on the colonists?

1. The Sugar Act
2. The Intolerable Acts
3. The Townshend Acts
- *4. The Stamp Act

SS 30. Match each of the four inventors to his invention.

<u>Inventors</u>	<u>Inventions</u>
A. Robert Fulton	1. revolver
B. Donald McKay	2. first successful steamboat
C. Samuel Morse	3. telegraph
D. Samuel Colt	4. clipper ship

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

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

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 a total of 30 points. Each question is worth two 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: (2 points each)

- | | |
|-------------------------|--|
| 1. output | 11. spiraling inflation (accept: inflation spiral) |
| 2. down payment | 12. profit |
| 3. elastic demand | 13. payment in kind |
| 4. division of labor | 14. back pay |
| 5. purchasing on credit | 15. business cycle |
| 6. net pay | |
| 7. carrying charge | |
| 8. balance of payments | |
| 9. mixed economy | |
| 10. income | |

Announce scores from team question.

Say: Are there any questions?

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(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. SEND SCORE SHEETS TO PEGGY IMMEDIATELY!!!!

Handout 8-1-3
Team # _____

Set 1
(1995)