

1994 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 from all competing teams will compete in the County Championship round this afternoon.

Introduce the judges, scorekeepers, and student assistants.

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

Conduct a button check.

Begin 5-point question round for 6th grade.

ECON 1. I will spell an economics term backwards. Identify the term.

L A T I P A C

Answer: capital

ENG 2. From its use in the following sentence, spell the word complement:

"The antique silver was a complement to the beautifully set table."

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

ECON 3. Which one of the following four provides for deductions to be taken from the wages of citizens to pay for the Social Security program?

1. FDIC
2. AARP
- *3. FICA
4. OPEC

SCI 4. How many degrees are there between the freezing point and the boiling point of water on the Celsius temperature scale?

Answer: 100
(Source: Prentice Hall)

ECON 5. Spell the two-word economics term which applies to items such as health insurance and pensions as provided by an employer.

Answer: f-r-i-n-g-e b-e-n-e-f-i-t-s

SS 6. Name the capital of Somalia.

Answer: Mogadishu

ECON 7. Which one or ones of the following four are not functions of money?

1. medium of exchange
- *2. measure of success
3. store of value
4. measure of value

(Source: Gerson, Antell, Economics)

MATH 8. Suppose a cargo ship was to sail from Cuba to San Francisco, a distance of 13,000 miles around South America or 4,600 miles through the Panama Canal. How many miles could be saved by traveling via the canal?

Answer: 8,400 (Note: $13,000 - 4,600 = 8,400$)

ENG 9. In which one of the following three sources would a student search to find the "pattern of prevailing winds throughout the world"?

- *1. an atlas
2. an almanac
3. a dictionary

(Source: Tapestries: Voices and Ventures)

SCI 10. Fill in the blank with the missing six-letter word beginning with the letter m. Anything that takes up space and has mass is called _____.

Answer: matter
(Source: General Science)

End of 5-point round for 6th grade.

Announce two-minute break.

Time 2 minutes.

Conduct a button check after the break.

Announce cumulative scores.

Begin the 10-point question round for 6th grade.

ENG 11. Arrange the following four terms in alphabetical order:

trade-off
trade barrier
trade
trading

Answer: trade
trade barrier
trade-off
trading

SS 12. Which one of the following four refers to the semidesert area in Africa that lies south of the Sahara?

1. Great Basin
 2. Patagonia
 3. Deccan Plateau
 - *4. Sahel (sah-heel)
- (Source: World Geography, p. 556)

ECON 13. Word scramble. Unscramble the following four words to form the definition of an economics term. Identify the term.

for, payment, services, professional

Answer: fees

MATH 14. Which is bigger, three-fourths of 80 or 50% of 100?

Answer: three-fourths of eighty

SCI 15. This is a two-part question and needs two answers. Classify each of the following two statements as either an observation or an inference.

1. The sun appears larger as it is setting than it does at noon.
2. The sun and the earth are the same age.

Answer: 1. observation
2. inference

For the next three questions you will need this information.

Jerry had just begun working at Sam's Ice Cream Shoppe. He works 20 hours per week at \$5.25 per hour. When he received his first paycheck, it was for only \$85.00.

ECON 16. Which one or ones of the following four taxes were likely the reason for the reduction of Jerry's pay?

1. sales tax
- *2. Federal Withholding Tax
- *3. Social Security tax
4. property tax

ECON 17. What was Jerry's personal income?

Answer: \$105.00

ECON 18. What was Jerry's disposable income?

Answer: \$85

MATH 19. Name the units digit in three raised to the twenty-second power.

Answer: nine

ENG 20. Using the terms figurative or literal, identify the kind of language used in the following quotation:

"The darkness of the forest wrapped itself around him."

Answer: figurative
(Source: Prentice Hall Literature)

End of 10-point round for 6th grade.

Announce two-minute break.

Time 2 minutes.

Conduct a button check after the break.

Announce cumulative scores.

Begin the 15-point question round for 6th grade.

SS 21. What is the nickname for the Pacific Rim area which is characterized by frequent volcanic eruptions and earthquakes?

Answer: Ring of Fire
(Source: World Geography, p. 457)

ECON 22. I will give you all the consonants in a fifteen-letter economics term. Identify the term.

__ N T __ R D __ P __ N D __ N C __

Answer: interdependence

ECON 23. This is a four-part question and needs four answers. Identify each of the following four as either public or private property.

1. Lakeland Senior High School
2. Santa Fe Catholic School
3. a Winter Haven police car
4. a Lakeland Square Mall security car

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

SS 24. Name the seasonal wind system responsible for India's climate.

Answer: monsoon
(Source: World Geography, pp. 468-469 and The American Heritage Dictionary)

MATH 25. Which one of the following four is the best estimate for the cost to the Alvarez Corporation if it purchased 18 vans at \$9,905 each and 25 cars at \$8,495 each?

1. \$200,000
- *2. \$400,000
3. \$600,000
4. \$800,000

(Note: $18 \times \$9,905 = 200,000$; $25 \times 8,495 = 200,000$)

ECON 26. This is a four-part question and needs four answers. Identify each of the following four costs as fixed or variable.

1. wages
2. sales commissions
3. rent
4. raw materials

Answer: 1. variable, 2. variable, 3. fixed, 4. variable

SS 27. Name the agricultural technique which has greatly increased the productivity of land by allowing farmers to carve "stair steps" into the sides of mountains.

Answer: terraces (accept: terracing)

ECON 28. Which one of the following four is the principal source of income for local governments?

1. income tax
2. lottery
3. sales tax
- *4. property tax

SCI 29. This is a four-part question and needs four answers. Classify each of the following four metric units as either a measurement of length, mass, or volume.

1. kilogram
2. millimeter
3. deciliter
4. kilometer

Answer: 1. mass, 2. length, 3. volume, 4. length

ECON 30. Which one of the following four is not found on the back of a one dollar bill?

1. an eye
- *2. the U.S. Capitol building
3. a pyramid
4. an eagle

End of 15-point round for 6th grade.

Announce two-minute break during which the seventh grade team is seated.
(Put out fresh paper and pencils.)

Conduct a button check after the break.

Announce cumulative scores.

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

ECON 1. Spell the economics term which is a homonym for the word meaning the head administrator at a school.

Answer: p-r-i-n-c-i-p-a-l

MATH 2. A package of one dozen muffins costs 34¢ less than twelve individual muffins. If the price of the package of muffins is \$3.50, find the price of an individual muffin.

Answer: 32¢ (Note: $3.50 + .34 = 3.84$; $3.84 \div 12 = .32$)

ENG 3. Which one of the following four propoganda techniques is utilized in the advertising slogan: "Everybody who owns a Ford Taurus loves it"?

1. band wagon
2. testimonial
- *3. glittering generality
4. plain folks

(Source: Blueprints, Macmillan, pp. 39, 142-3)

SCI 4. Fill in the blank with the missing seven-letter word beginning with the letter g.

The force of attraction between all objects in the universe is called ___.

Answer: gravity

ECON 5. I will give you every other letter of a two-word economics term. Identify the term.

First word: ___ U ___ S ___ S ___ E ___ C ___
Second word: ___ C ___ N ___ M ___

Answer: subsistence economy

MATH 6. Estimate to the nearest ten miles how far a car can travel on one gallon if it travels 608 miles on a full tank of 18 gallons of gasoline.

Answer: 30 (Note: $600 \div 20 = 30$)

ENG 7. Which pronoun is correct in the following sentence--she, her, me?

Mary and _____ shop at the same supermarket.

Answer: she

SCI 8. Which one of the following four is not required for photosynthesis to take place?

1. water
- *2. sugar
3. sunlight
4. carbon dioxide

(Source: Life Science)

ECON 9. Fill in the blank with the missing word.

_____ is the study of individual economic units.

Answer: Microeconomics

ENG 10. Which one of the following four words was not derived from the Latin word versus meaning true?

1. verify
2. verity
3. veritable
- *4. variety

End of 5-point round for 7th grade.

Announce two-minute break.

Time 2 minutes.

Conduct a button check after the break.

Announce cumulative scores.

Begin the 10-point question round for 7th grade.

ECON 11. Which one of the following four forms of saving offers the greatest liquidity?

1. corporate stock
2. real estate
- *3. savings account
4. individual retirement account

ENG 12. Punctuate the following sentence ignoring numbers.

Ford Motor Company, which reported an unexpectedly high net income of \$463 million Wednesday, is becoming the opposite of struggling General Motors.

For the next two questions you will use the following information.

The Timewise Computer firm sells computer time by the hour. The charge is \$15.50 per hour for the first twenty hours per week and \$10.75 for each hour over twenty per week. The state imposes a 1% surcharge on all such services.

MATH 13. The Apex Company is a customer of Timewise. If it purchased $6\frac{2}{5}$ hours on Monday, $7\frac{1}{4}$ hours on Tuesday, and $5\frac{7}{10}$ hours on Wednesday, did Apex use more than twenty hours?

Answer: No (Note: $6.4 + 7.25 + 5.7 = 19.35$)

MATH 14. Compute to the nearest cent the total cost to the Zenith Company if it bought $5\frac{1}{2}$ hours on Monday, $3\frac{3}{4}$ hours on Wednesday, and $7\frac{1}{4}$ hours on Friday.

Answer: \$258.31 (Note: $5.5 + 3.75 + 7.25 = 16.5$; $16.5 \times 15.5 = 255.75$; 1% of 255.75 = 2.56; $255.75 + 2.56 = 258.31$)

SCI 15. Which one or ones of the following four activities would be within the realm of technology?

- *1. Design a film sensitive to infrared radiation.
2. Investigate the origin of x-rays.
3. Discover the reaction sequence of photosynthesis.
4. Formulate an explanation of sunspots.

(Source: Focus on Physical Science, Merrill)

For the next three questions you will need this information:

John, a 7th grade student at the Adam Smith Middle School, has been invited by his friend George to a birthday party this Saturday. His father is going fishing all day Saturday and wants John to go with him. John's mother is going to the mall and has said that John can go with her. However, John's community football team practices Saturday morning, and the coach has said that if he misses practice, he is off the team.

ECON 16. John has no choice but to go to football practice. True or false?

Answer: false

ECON 17. List John's four alternatives.

- Answer:
1. football practice
 2. birthday party
 3. fishing
 4. go to mall (any order)

ECON 18. Assume John's PACED decision evaluation ranking was 1. football, 2. fishing, 3. party, 4. mall. What is John's opportunity cost of going to the football practice?

Answer: (going) fishing

ENG 19. Which one of the following three terms gives the relationship between a progressive tax and an income tax?

- *1. synonyms
- 2. antonyms
- 3. homonyms

ECON 20. Which one or ones of the following four represent payments for goods?

- *1. 95 cents for a hamburger
- 2. \$10 for a haircut
- *3. \$8.95 for a textbook
- *4. \$9,000 for a new automobile

End of 10-point round for 7th grade.

Announce two-minute break.

Time 2 minutes.

Conduct a button check after the break.

Announce cumulative scores.

Begin the 15-point question round for 7th grade.

ECON 21. Letter scramble. Unscramble the following letters to form a two-word economics term. Identify the term.

First word: O, O, O, I, I, L, M, N, P, C, S, T
Second word: T, T, M, N, O, O, C, E, I, I, P

Answer: monopolistic competition

SCI 22. This is a three-part question. Suppose 6 grams of salt are mixed with 50 grams of water. Compute the mass in grams of

- 1. the solvent
- 2. the solute
- 3. the solution

Answer: 1. 50, 2. 6, 3. 56

SS 23. Besides Russia, name five new nations that emerged from the 1992 devolution--the breaking up of nations--which occurred in the former Soviet Union.

Answer: (any five)

Ukraine	Turkmenistan/Turkmen
Georgia	Uzbekistan/Uzbek
Estonia	Tajikistan/Tadzhik
Latvia	Kazakhstan/Kazakh
Lithuania	Armenia
Belarus/Beldrussia	Azerbaijan
Moldava	Krgyzstan/Kirghiz

ENG 24. Match each of the four characters to the related term or object.

<u>Characters</u>	<u>Terms or Objects</u>
A. Dorothy	1. silver skates
B. Hans Brinker	2. self-love
C. Narcissus	3. Oz
D. Snow White	4. Grimm brothers

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

ECON 25. Complete the following statement using one of the four given choices.

When a country has the ability to produce more of a product than another country it has ___.

1. an exchange advantage
- *2. an absolute advantage
3. a specialized advantage
4. a discount advantage

ENG 26. This is a three-part question. Using the languages--French, Spanish, or Italian--indicate from which each of the following three words was derived.

1. tornado
2. glacier
3. opera

Answer: 1. Spanish; 2. French; 3. Italian

ECON 27. I will give you all the vowels of a three-word economics term and will omit the preposition. Identify the term.

First word: ___ A ___ A ___ ___ E
Preposition: ___ ___
Third word: ___ ___ A ___ E

Answer: balance of trade

For the next two questions identify which of the five themes of geography applies to the statement in the question.

SS 28. The corn belt of the U.S. produces a surplus of grain.

Answer: region

SS 29. An oasis has enough water for plants and trees to grow.

Answer: place

ECON 30. This is a four-part question. Identify each of the following four as a characteristic of a corporation or a sole proprietorship.

1. limited liability
2. ease of opening the business
3. unlimited liability
4. unlimited life

Answer: 1. corporation, 2. sole proprietorship, 3. sole proprietorship, 4. corporation

End of 15-point round for 7th grade.

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

For this team question you will be given Handout 7-1.

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 three points.

You will be given two 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 2 minutes.

STOP! Hold your team answer sheet in the air.

Read answers: (3 points each)

- | | |
|----------|----------|
| 1. FDIC | 6. GNP |
| 2. NATO | 7. FTC |
| 3. NAFTA | 8. CIS |
| 4. USDA | 9. OPEC |
| 5. SCUBA | 10. NASA |

Handout 7-1
Team # _____

(Announce scores from team question.)

Say: Are there any questions?

Announce the two-minute break during which the 8th grade team is seated.
(Put out fresh paper and pencils.)

Time 2 minutes.

Conduct a button check.

Announce cumulative scores.

Begin 5-point question round for 8th grade.

SCI 1. Which one of the following four substances has the most thermal energy?

1. ice water
2. ice
3. tap water
- *4. steam

(Source: Prentice Hall)

SS 2. Spell the product which is credited for saving the colony of Jamestown.

Answer: t-o-b-a-c-c-o

MATH 3. Ms. Juarez is paid \$520 a week plus a commission of 3% of her sales. What must her sales be if she is to have a minimum weekly income of \$730?

Answer: \$7,000 ($0.03x = 730 - 520$; $0.03x = 210$; $x = 7000$)

ENG 4. Which one of the following three terms identifies the words: radar, laser, MADD?

1. anachronism
- *2. acronym
3. anagram

ECON 5. Fill in the two blanks in the following definition. Interest paid upon money deposited in an account and also on the interest already earned by the deposit is called __ __.

Answer: compound interest

SS 6. Which one or ones of the following four were written in 1776?

1. The Articles of Confederation
- *2. The Wealth of Nations
3. Common Sense
- *4. The Declaration of Independence

(Source: U.S. History Review Text, Amsco)

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

First word: V, E, L, O, C, C, T, I, E, L
Second word: G, R, A, A, I, I, N, N, B, G

Answer: collective bargaining

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

The price at which currency can be bought or sold is its ___.

1. export
2. foreign rate
3. market rate
- *4. exchange rate

SS 9. Spell the economic policy that stated that colonies were established to benefit the mother country.

Answer: m-e-r-c-a-n-t-i-l-i-s-m

ECON 10. What economics term is defined as a pledge that the producer will stand behind the quality and dependability of a product for a specified period of time?

Answer: warranty (accept: guarantee)

End of 5-point round for 8th grade.

Announce two-minute break.

Time 2 minutes.

Conduct a button check after the break.

Announce cumulative scores.

Begin the 10-point question round for 8th grade.

ECON 11. Which one or ones of the following four actions would be included in the GNP for a particular year?

- *1. construction of a factory by the government
- *2. the purchase of a hot dog on a roll with mustard
3. the sale of 1,000 shares of AT&T stock
- *4. the sale of a new automobile

MATH 12. A certain company has a policy stating that the C.E.O. can be paid no more than \$130,000 per year and that the salaries of the other eight officers must be equal. If the company has a total of \$710,000 for salaries and pays its C.E.O. the maximum allowable salary, what is the maximum salary of an officer?

Answer: \$72,500 ($710,000 - 130,000 = 580,000$; $580,000 \div 8 = 72,500$)

SS 13. This is a four-part question. Apply the following four characteristics to the New England colonies, the Middle colonies, or the Southern Colonies.

1. The economy depended on slavery as a labor force.
2. Seaports were essential; fishing, whaling, and shipbuilding were major industries.
3. They were called the breadbasket colonies.
4. Tobacco, rice and indigo were the major cash crops of this area.

Answer: 1. Southern, 2. New England, 3. Middle, 4. Southern

ECON 14. Which one or ones of the following three will affect the circular flow of spending?

- *1. an increase in business spending
 - *2. a decrease in government spending
 - *3. an increase in consumer spending
- (Source: Gerson, Antell, Economics)

SS 15. This is a four-part question. Identify the following acts of Congress as delegated, reserved, or concurrent powers.

1. declaring war
2. licensing teachers
3. determining the drinking age
4. building roads and highways

Answer: 1 - delegated, 2 - reserved, 3 - reserved, 4 - concurrent

MATH 16. Compute in miles per hour the exact rate at which Robert Fulton's steam boat the Clermont traveled if it took 32 hours to travel the 136 miles between New York City and Albany.

Answer: 4.25 (accept: $4 \frac{1}{4}$)

ECON 17. For which one of the following four reasons does a firm set aside funds for depreciation?

1. to prepare for a decline in business
- *2. to provide for the replacement of worn-out capital
3. to cover increasing labor costs
4. to insure against falling prices of its good

ECON 18. Match each of the four economists to the book which he authored.

<u>Economists</u>	<u>Books</u>
A. Adam Smith	1. <u>Das Kapital</u>
B. Karl Marx	2. <u>The Wealth of Nations</u>
C. John Maynard Keynes	3. <u>Free to Choose</u>
D. Milton Friedman	4. <u>The General Theory</u>

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

SS 19. Which one of the following four was not an example of American protest of British economic policies?

1. The Boston Tea Party
2. formation of the Sons of Liberty
- *3. The Coercive Acts
4. boycotting

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

The federal government's fiscal policy differs from its monetary policy in that its fiscal policy is concerned mainly with ___.

1. reserve ratios and discount rates
2. economic stability in the short run
3. the management of "checkbook money"
- *4. taxing and spending

End of 10-point round for 8th grade.

Announce two-minute break.

Time 2 minutes.

Conduct a button check after the break.

Announce cumulative scores.

Begin the 15-point question round for 8th grade.

ECON 21. Fill in the two blanks with the missing words.

When plotted on a graph, the _____ slopes upward from left to right.

Answer: supply curve
(Source: Gerson, Antell, Economics)

For the next question choose from the words electrical, light, kinetic, chemical, and heat to complete the statement.

- SCI** 22. Fill in the four blanks in the following statement. Electrical energy can be produced from ___ energy in a dry cell, from ___ energy in a solar cell, from ___ energy in a thermocouple, and from ___ energy by moving a magnet near a coil of wire.

Answer: chemical, light, heat, kinetic (must be given in this order)

- ENG** 23. Which one of the three given terms identifies the type of the following poem by Irene Sekula?

Humpty Dumpty sat on a wall,
A non-electro-magnetic ball.
All the Super's polariscopes
Couldn't revitalize his isotopes.

1. limerick
- *2. parody
3. concrete

- SS** 24. Match each of the four American inventors to his invention.

<u>Inventors</u>	<u>Inventions</u>
A. Eli Whitney	1. reaper
B. Elias Howe	2. cotton gin
C. Cyrus McCormick	3. sewing machine
D. John Deere	4. steel plow

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

- SS** 25. If a state had 4,000 slaves, according to the original U.S. Constitution how many slaves would be counted both for representation and levying of taxes?

Answer: 2,400

(Note: Three-Fifths Compromise; $0.6 \times 4,000 = 2,400$)

(Source: Boorstin and Kelley, A History of the United States, p. 107)

- ENG** 26. Which one or ones of the following three sentences have a predicate adjective?

1. The cartel sent a banker to the OPEC meeting in Geneva.
2. The banker is a specialist in oil refining and financial negotiations.
- *3. His work is very complex, requiring much ability and technical knowledge.

ECON 27. Complete the following statement using one of the four given choices.

Monetary policies of the United States are administered by the _____
—.

1. Treasury Department
2. President
- *3. Federal Reserve System
4. Congress

For the next three questions you will use the following information:

This data refers to the tiny nation of Cosmo.

Total Consumption	\$167 million
Total Investment	\$ 40 million
Government Spending	\$ 53 million
Exports	\$ 25 million
Imports	\$ 35 million

ECON 28. Which one of the following four dollar amounts represents Cosmo's GNP?

- *1. \$250 million
2. \$260 million
3. \$295 million
4. \$320 million

ECON 29. Which one of the following four fractions represents the total consumption in Cosmo as related to the GNP?

1. one-quarter
2. one-third
3. one-half
- *4. two-thirds

ECON 30. Which one of the following four dollar amounts represents the total of Cosmo's net exports?

1. \$35 million
2. \$25 million
- *3. negative \$10 million
4. negative \$20 million

End of 15-point round for 8th grade.

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

For this team question you will be given Handout 8-1.

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

Handout 8-1
Team # _____

This team question is worth a total of 30 points.

The value of each question is printed on the handout.

You will be given four 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.

Read answers: (1-13, 2 points each and 14, 4 points)

- | | |
|--------|--------|
| 1. 435 | 9. 13 |
| 2. 9 | 10. 12 |
| 3. 2 | 11. 5 |
| 4. 15 | 12. 1 |
| 5. 9 | 13. 16 |
| 6. 27 | 14. 6 |
| 7. 6 | |
| 8. 4 | |

(Announce scores from team question.)

Say: Are there any questions?

(Team 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.)

(Remind coaches to report to the scorekeepers whether substitutions are made or not. Announce the two-minute break.)

Begin tie-breaker question round. Conduct a button check. One point is awarded to the team who either answers the question correctly or has the other team miss the question.

Thank: Judges, scorekeepers, students and coaches.

SEND SCORE SHEETS TO PEGGY IMMEDIATELY!

Set 1
(1994)