

**Polk County Middle School E-Team Tournament**

**Introduce yourself. Welcome the participants. Have the tournament officials introduce themselves.**

**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 paid dividend checks to its investors.
- 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's manufacturing method 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. <i>Romeo and Juliet</i>
B. Frances Burnett	2. <i>The Lion, the Witch and the Wardrobe</i>
C. William Shakespeare	3. <i>Where the Sidewalk Ends</i>
D. Shel Silverstein	4. <i>The Secret Garden</i>

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 of the gods

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 ending 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 that 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 x .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 use Handout 6-1-1. Locate the envelope labeled 6-1-1 but do not open it. (Have teams show envelope to judges to insure each team has the correct envelope.)**

**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.**

**Open the envelope, distribute the handouts, and begin.**

**Time 3 minutes.**

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

**Read answers: (3 points each)**

- |                                |  |
|--------------------------------|--|
| 1. 210                         | 6. Hera  |
| 2. ulna, radius (either order) | 7. 24 (Note: $12 \times 2 = 24$ ; Budget is the economics word.) |
| 3. 10                          | 8. bull  |
| 4. Zeus                        | 9. D. drachma  |
| 5. Heracles                    | 10. 12   |

**Announce scores from the team question.**

**Ask if there are any questions concerning the scoring.**

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

**Handout 6-1-1**

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

**Hercules**

**Answer the following or fill in the blank for 3 points each.**

1. Hercules was the strongest man in the world. He could lift 2.1 times his body weight. How much did Hercules weigh if he could lift 441 pounds? \_\_\_\_\_
2. While performing one of his labors, Hercules broke his forearm. Name the two bones in the forearm.  
\_\_\_\_\_ and \_\_\_\_\_
3. Hercules has five stone spearheads of equal mass. If he puts 4 of them in one pan of a scale and one spearhead along with a mass of 30 grams in the other pan, the scale is balanced. What is the mass of each spearhead? \_\_\_\_\_ grams
4. According to mythology, who was Hercules' father? \_\_\_\_\_
5. Hercules' name in Greek is \_\_\_\_\_.
6. The goddess, \_\_\_\_\_, plagued Hercules with fits of madness.
7. Multiply the number of labors given to Hercules by the number of vowels in the economics word for a plan for the use of time, money or resources. The product is \_\_\_\_\_.
8. Hercules' 7<sup>th</sup> labor was to fetch the savage \_\_\_\_\_ from Crete. Today we use this animal as the symbol of a strong stock market.
9. Had Hercules lived in Greece in 1990, his money would be called \_\_\_\_\_.  
A. lira B. kronos C. pounds D. drachma
10. The number of Hercules' labors is the same as the number of banks in the Federal Reserve System which is \_\_\_\_\_?

**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. 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 use Handout 7-1-1. Locate the envelope labeled 7-1-1 but do not open it. (Have teams show envelope to judges to insure each team has the correct envelope.)**

**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.**

**Open the envelope, distribute the handouts, 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.**

**Ask if there are any questions concerning the scoring of the team question.**

**Announce the restroom 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.)**

**Handout 7-1-1**

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

**Aladdin**

**Answer the following or supply the missing word or words.**

1. In the mythological kingdom of Zambini, the basic unit of money is the Rudolf. At today's exchange rate, 4 rudolfs are equal to \$1.00. An American tourist visiting Zambini wishes to purchase a guidebook to the country. If the price is 6 rudolfs, what is the cost in dollars? \_\_\_\_\_
2. Jasmine has 5 different scarves, 4 different blouses, and 6 pairs of different pantaloons. How many different outfit combinations of these clothing items does she have in her closet? \_\_\_\_\_
3. On what continent did Aladdin live? \_\_\_\_\_
4. If Aladdin and Jasmine traveled on the magic carpet across China, over what desert did they fly?  
\_\_\_\_\_
5. Give the grammatical term of the underlined phrase in the following sentence. \_\_\_\_\_  
Aladdin, the son of a poor tailor, is employed by a sorcerer to obtain a magic lamp.
6. Circle the direct object in the following sentence.  
  
Aladdin threw a rock at the magician while trying to escape.
7. Using the concepts of wants and needs, which term best describes how Aladdin used his wishes from the Genie? \_\_\_\_\_
8. If Aladdin has blue eyes (bb) and Jasmine has brown eyes (BB), what color would you expect their first child's eyes to be? \_\_\_\_\_
9. As Aladdin rubbed the magic lamp, the heat produced was caused by \_\_\_\_\_.
10. On Aladdin's grand entrance to meet Jasmine, he brought 200 veiled women of whom 150 could sing and 60 could dance. Of those who could dance, only 40 could sing. How many of these women could neither sing nor dance? \_\_\_\_\_

**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

**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: 1,000 (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 (accept technological for structural)

**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 factors of production 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

**ECON 25.** Which one of the following four is the best example of the benefits-received principle of taxation?

1. a proportional tax
- \*2. a gasoline tax
3. a sales tax
4. an excise tax

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

<u>Economic Systems</u>	<u>Scenarios</u>
A. Traditional	1. The factory manager waited patiently for his new quota numbers from the Government Planning Office.
B. Command	2. In the town of Richmond all means of distribution and production were owned by individuals.
C. Market	3. Samuel looked forward to following in his father's and grandfather's footsteps as the best fisherman in the village.
D. Mixed	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.

<u>Terms</u>	<u>Definitions</u>
A. allusion	1. words that imitate natural sounds
B. metaphor	2. references to characters or situations in history or literature
C. personification	3. a comparison of two unlike items
D. onomatopoeia	4. giving lifelike qualities to inanimate objects

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

**ECON 28.** Fill in the blank. An economy where the answers to the basic economic questions are answered by the \_\_\_\_\_ is known as a command economy.

Answer: government

**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 use Handout 8-1-1. Locate the envelope labeled 8-1-1 but do not open it. (Have teams show envelope to judges to insure each team has the correct envelope.)**

**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.**

**Open the envelope, distribute the handouts, and begin.**

**Time 3 minutes.**

**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.**

**Ask if there are any questions concerning the scoring of the team question.**

**Teams should remain seated until final scores are computed.**

**Handout 8-1-1**

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

**The Little Mermaid**

**Answer the following or supply the missing word or words.**

1. The name of the Greek mythological ruler of the sea is \_\_\_\_\_.
2. \_\_\_\_\_ authored the novel *20,000 Leagues under the Sea*.
3. To offer someone a \_\_\_\_\_ (the “fishy” two-word expression) means to relate information intended to throw them off the right track.
4. A cylindrical tidal pool is 8 1/2 feet wide and 4 1/8 feet deep. To the nearest cubic foot, calculate the volume of the pool. \_\_\_\_\_
5. Because of a lack of light deep in the ocean, plants cannot use \_\_\_\_\_ like land plants to provide an energy source.
6. The character Sebastian is a lobster. To which group of animals, mollusks or crustaceans, does he belong? \_\_\_\_\_
7. When Ariel saved Prince Eric, she took him to a group of islands. What is the geographical term for a group of islands? \_\_\_\_\_
8. Ariel’s decision to give up her voice in exchange for a chance to be human is called an \_\_\_\_\_ in economic terms.
9. A saltwater fish tank is 150.45 m long, 0.3 m wide, and 25.4 cm tall. Calculate the volume of the tank in  $\text{cm}^3$ . \_\_\_\_\_
10. Underline the dependent/subordinate clause in the following sentence:  
  
When the waves are high, I fear the ocean and its power.

**[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.**