

1990 Polk County E-Team
7th Grade

Begin 5-point question round.

- ECON** 1. A two-liter bottle of cola costing \$1.29 is a better buy than a six-pack carton of twelve ounce cans of the same cola costing \$1.45. True or false?

Answer: true

- SCI** 2. Which one of the following four describes the usual method of communicating the location of a food source by a honeybee to the hive?

- A. sound
- B. pheromones
- *C. dancing
- D. touch

- ECON** 3. What economics term can also mean a candy eaten after dinner?

Answer: mint

- ECON** 4. Spell the economics term meaning assets which can be pledged to obtain a loan.

Answer: C-O-L-L-A-T-E-R-A-L

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

First word: ___ e ___ e ___ i ___
Second word: p ___ i ___ c ___ p ___ e

Answer: benefit principle

For the next three questions you will be given Handout 7-2-1. Do not distribute or turn these over until you are instructed to do so.

- ENG** 6. Which one of the advertisements pictured refers to a famous nursery rhyme?

Answer: A

- ENG** 7. Name the title and the author of the novel referred to in advertisement D.

Answer: Alice in Wonderland by Lewis Carroll

- ENG** 8. Name the two other stories represented in advertisements B and C.

Answer: B. The Three Little Pigs
C. Jack and the Bean Stalk

Handout 7-2-1

ECON 9. What new economics term is formed by removing the last three letters of the term meaning the process of combining resources to make goods and services?

Answer: product (production)

ECON 10. The three basic methods of coordinating economic activity are market, command and traditional. True or false?

Answer: true

ECON 11. I will give you every other letter of an economics term. Identify the term.

___ a ___ a ___ e ___ e ___ t

Answer: management

SCI 12. Complete the statement using one of the four given choices.

Entomology is the study of

- A. plants
- *B. insects
- C. relics
- D. words

ECON 13. Fill in the blank to complete the following definition.

_____ are the goods which a business has on hand in order to conduct its business.

Answer: Inventory

ECON 14. Letter scramble. Unscramble the following letters to form a two-word economics term.

First word: E, A, S, T, O, U, B, L

Second word: A, A, E, D, T, N, A, G, V

Answer: absolute advantage

For the next three questions you will be given Handout 7-2-2. Do not distribute these until you are instructed to do so.

SCI 15. Is the experiment depicted on the handout a controlled experiment?

Answer: no

SCI 16. How many experimental or manipulated variables are present in the depicted "experiment?"

Answer: three

SCI 17. What variables must be changed in the experimental design in order to have a controlled experiment?

Answer: use equal volumes of water and grow at same temperature

Handout 7-2-2

ECON 18. What am I? I am a person who acts as an agent in making contracts, sales, or purchases, particularly of stocks, bonds or real estate.

Answer: a broker

ENG 19. Complete the statement using one of the four given choices.

If you have the Midas touch, you have the ability to

- A. write poetry
- *B. make money
- C. paint pictures
- D. sing

ECON 20. Letter scramble. Unscramble the following letters to form an economics term.

O, O, O, S, I, I, C, C, R, C, E, M, M, N

Answer: microeconomics

End of 5-point round.

Begin 10-point team question.

Read: For this team question you will be given Handout 7-2-3.

Do not distribute the handouts until you are instructed to do so. This team question is worth 10 points. Each questions is worth 2 points.

You will be given 2 minutes. Please identify one handout as your team answer sheet in the upper left-hand corner.

Begin.

Time 2 minutes.

STOP!

Identify one handout as your team answer sheet and hold it in the air. The judges will correct your work.

Read answers: (2 points each)

1. Mercury, Hermes (1 point each)
2. Messenger of the gods
3. Goodyear
4. FTD (accept: Floral Telegraph Delivery)
5. Pegasus

Announce scores from team question.

Two-minute break.

Announce scores after the round.

Handout 7-2-3
Team # _____

1. Give the Roman and Greek names for the Greek god depicted in logos A, B, and D.

Roman _____ Greek _____

2. What was the role of the Greed god symbolized in logos A, B, and D?

3. What company uses logo A as its symbol?

4. What company uses logo B as its trademark?

5. What is the name of the mythological creature in logo C?

Begin 10-point question round.

ECON 21. Spell the thirteen letter economics term that means the process of transforming productive activity from labor to capital intensive.

Answer: M-E-C-H-A-N-I-Z-A-T-I-O-N

ENG 22. Complete the following analogy using one of the four given choices.

Alternative is to choice as denizen is to

- *A. inhabitant
- B. agent
- C. visitor
- D. underworld

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

Benny Bumper's car averages 24 miles per gallon of gasoline. Gasoline costs \$1.19 per gallon.

MATH 23. How many gallons of gasoline will Benny need to buy for a trip of 864 miles?

Answer: 36 (864/24)

MATH 24. How much will Benny spend for gasoline on the trip?

Answer: \$42.84 (36x1.19)

MATH 25. If Benny drives the 864 miles in 15 hours, to the nearest tenth, what is his average speed in miles per hour?

Answer: 57.6 (864/15)

MATH 26. If Benny drives half the distance at 65 miles per hour and the other half at 55 miles per hour, how many hours to the nearest tenth will it take to make the trip?

Answer: 14.5 (432/65=6.6 and 432/55=7.9)

SCI 27. In which one of the following four areas did the German scientists Schleiden and Schwann advance our knowledge?

- A. photography
- B. astronomy
- *C. cytology
- D. paleontology

ECON 28. What is the product of the number of syllables in the economics term meaning the settlement of a dispute by a person chosen to hear both sides to reach a decision and the number of letters in the economics term meaning anything of value which is owned?

Answer: 20 (ar-bi-tra-tion x asset)

ECON 29. Which one or ones of the following four are not characteristics of perfect competition?

- *A. One buyer can affect the quantity bought thus affecting the price.
- B. No seller can affect the quantity sold thus affecting the price.
- *C. Product differentiation exists.
- D. Freedom exists to enter or exist the market.

GOV 30. Compute the result of this four-step problem. To the number of letters in the name of the capital of Florida, add the number of counties in Florida, multiply by the number of states that border Florida, divide by the number of letters in the name of the county seat of Polk County, subtract the number of United States senators from Florida.

Answer: 24 ($11+67=78$; $78 \times 2=156$; $156/6=26$; $26-2=24$)

ENG 31. Which one of the following four words does not come from Greek or Roman mythology?

- A. martial
- B. zephyr
- C. volcano
- *D. nexus

For the next two questions you will receive Handout 7-2-4. Do not distribute these until you are instructed to do so. (Pause) You may distribute these face up.

SCI 32. Which one of the four dinosaurs, featured on new stamps recently published by the United States Post Office, never actually existed?

Answer: D

SCI 33. Which one of the following four is the proper name of the misnamed dinosaur on the U.S. Post Office's new set of stamps?

- A. Allosaurus
- B. Dodecasaurus
- *C. Apatosaurus
- D. Diplodocus

ECON 34. What is the least common multiple of the number of letters in the synonym for choices and the number of syllables in the synonym for trade?

Answer: 12 (alternatives, 12 and barter, 2)

SCI 35. Which one of the following four transmits information within the cell?

- A. DNA
- C. fatty acids
- *B. RNA
- D. amino acids

Handout 7-2-4

ECON 36. Spell the thirteen letter economics term meaning effects, good or bad, on parties not directly involved in the production or use of a good or service.

Answer: E-X-T-E-R-N-A-L-I-T-I-E-S

ENG 37. Complete the following analogy using one of the four given choices.

Benefit is to advantage as hyperbole is to

- A. assumption
- B. derision
- C. transition
- *D. exaggeration

ECON 38. Letter scramble. Unscramble the following letters to form a two-word economics term. Identify the term.

First word: D, E, U, G, T, B
Second word: T, C, I, I, E, D, F

Answer: budget deficit

SCI 39. Which one of the following four would most appropriately be used to measure 1.4 milliliters of water?

- A. a beaker
- B. a 25 milliliter graduated cylinder
- *C. a pipette
- D. an eyedropper

ECON 40. Which one or ones of the following four are classified as cartels?

- A. NATO
- *B. OPEC
- C. FICA
- D. OHSA

End of 10-point round.

Begin 20-point team question

Read: For this team question you will be given Handout 7-2-5.

Do not distribute the handouts until you are instructed to do so. This team question is worth 20 points. Each question is worth 4 points.

You will be given 3 minutes. Please identify one handout as your team answer sheet in the upper left-hand corner.

Begin.

Time 3 minutes.

STOP!

Set 2
(1990)

Identify one handout as your team answer sheet and hold it in the air. The judges will correct your work.

Handout 7-2-5
Team # _____

Use the chart to answer the following questions.

1. Which country has the highest per capita income and which has the lowest?

highest _____ lowest _____

2. Which country is the only country in which the life expectancy of male babies is higher than that of female babies?

3. What is the population of the Soviet Union?

4. Which one or ones of the following four would indicate a less developed country?

- A. high percentage of agricultural workers
- B. high literacy rate
- C. low per capita income
- D. low number of doctors

5. Using the information on the chart, compute the number of doctors in Great Britain.

Read answers: (4 points each)

1. highest, Sweden (2 points each)
lowest, Ethiopia
2. India
3. 272.5 million (272,500,000)
4. A, C, D
5. 85,680 (note: 560x153)

Announce scores from team question.

Two-minute break.

Announce scores after the round.

Begin 15-point question round.

ECON 41. Identify each of the following four pairs of objects as complementary goods or substitute goods.

1. paper and pencil
2. ice cream and frozen yogurt
3. loose-leaf notebook paper and spiral notebook
4. gasoline and cars

Answer: 1. complementary goods
2. substitute goods
3. substitute goods
4. complementary goods

ENG 42. Complete the following analogy using one of the four given choices.

Occupation is to vocation as dissimulation is to

- *A. deception
- B. stupidity
- C. treachery
- D. ridicule

ECON 43. What type of inflation is caused by increases in the costs of producing a product?

Answer: cost-push

ECON 44. I will give you every other letter of a two-word economics term. Identify the term.

First word: ___ o ___ p ___ r ___ t ___ v ___
Second word: ___ d ___ a ___ t ___ g ___

Answer: comparative advantage

For the next two questions you will be given Handout 7-2-6. Do not distribute these until you are instructed to do so. (Pause) You may distribute these face up.

ECON 45. According to the graph on the handout, what percentage of the total U.S. energy needs are met by fossil fuels?

Answer: 91%

Handout 7-2-6

ECON 46. According to the graph on the handout, what percent of the total U.S. energy needs is supplied by renewable resources?

Answer: 9%

ECON 47. Complete the following definition by supplying the two missing words:

A cartel is an organization of producers designed to limit _____ between members usually by restricting _____ to raise prices.

Answer: competition, output

SCI 48. Which one of the following four kingdoms would require a microscope to view most of its representatives?

- A. animal, monera
- B. plant, protist
- C. fungus, animal
- *D. protist, monera

ECON 49. Match each of the four types of businesses to its market structure.

<u>Businesses</u>	<u>Market Structures</u>
1. Joe's Wheat Farm	A. monopolistic competition
2. Tampa Electric	B. oligopoly
3. K-Mart	C. regulated monopoly
4. Standard Oil Company	D. perfect competition

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

ECON 50. Which one of the following three is not a measure of how our economy is doing?

- A. GNP
- B. NI
- *C. PPI

ECON 51. Government goods and services are used in computing the Gross National Product. True or false?

Answer: false

GEOG 52. Mario has businesses in each of the states with the following nicknames: the Lone Star State, the Aloha State, the Land of Enchantment and the Buckeye State. Take the first letter of each capital city. Unscramble these to form an economics term.

Answer: cash (Austin, Honolulu, Santa Fe, Columbus)

ECON 53. To which one of the following three do the terms strike, boycott and picket relate?

- A. goals of collective bargaining
- B. the Taft-Hartley Act
- *C. union tactics

ECON 54. Letter scramble. Unscramble the following letters to form a three-word economics term.

First word: E, A, E, D, R, F, L
Second word: E, E, E, R, R, S, V
Third word: T, M, E, Y, S, S

Answer: Federal Reserve System

ENG 55. Complete the statement using one of the four given choices.

If you are an astute businessperson, you are

- A. pompous
- *B. shrewd
- C. futile
- D. ruthless

You will use the following information to answer the next question.

The rate for residential gas service is in accordance with the following schedule:

for the first 1,000 cubic feet or less	\$2.00
for the next 4,000 cubic feet	12.5¢ per cubic foot
for the next 7,000 cubic feet	10.0¢ per cubic foot

The meter reading at the beginning of a given period was 5,000 cubic feet and at the close was 7,800 cubic feet.

MATH 56. What was the charge for gas consumed?

Answer: \$4.25 (7800-5000=2800; 2800-1000=1800x.125=225¢;
2.00+2.25)

For the next two questions you will be given Handout 7-2-7. Do not distribute these until you are instructed to do so. (Pause) You may distribute these face up.

The mythical society of Grainfield can produce only two goods: wheat and corn. The chart on the handout shows the production possibilities for these products. Use the handout to answer the next two questions.

ECON 57. If Grainfield increases its wheat production from 300 to 400 tons, what is its opportunity cost?

Answer: 100 tons of corn

ECON 58. If Grainfield increases its production of corn from 100 to 150 tons, what is its opportunity cost?

Answer: 100 tons of wheat

SCI 59. Which one or ones of the following four scientists were not biologists?

- A. Pasteur

- B. Hooke
- C. Redi
- *D. Copernicus

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Number of tons of wheat produced per year	Number of tons of corn produced per year
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0	200
100	180
200	150
300	100
400	0
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MATH 60. Carey Carr, a traveling salesperson, called on customers in Florida, Georgia, Tennessee and Mississippi. He earned a bonus for his sales that was equal to \$1,000 for each "a" found in the names of the capital cities of the states he visited. Compute the amount of his bonus.

Answer: \$8,000 (Tallahassee, Atlanta, Nashville, Jackson)

End of 15-point round.

Begin 30-point team question.

Read: For this team question you will be given Handout 7-2-8.

Do not distribute the handouts until you are instructed to do so. This team question is worth 30 points. Each question is worth 6 points.

You will be given 3 minutes. Please identify one handout as your team answer sheet in the upper left-hand corner.

Begin.

Time 3 minutes.

STOP!

Identify one handout as your team answer sheet and hold it in the air. The judges will correct your work.

Read answers: (6 points each)

1. increased (accept: similar response)
2. Double Dip, 600 (3 points each)
3. increase in sales (accept: similar response)
4. Cone Carnival
5. A, B, C, D (accept: all)

Announce scores from team question.

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. Only the teams whose scores are tied will compete.

Tie Breaker Questions.

ENG 1. Complete the following statement using one of the four given choices.

If I told you that I was a bibliophile, you would assume that I like to

- A. drink
- *B. read
- C. drive

D. dance

Handout 7-2-8
Team # _____

Use the graph below to answer the following questions.

1. In general, how did the sales of all three businesses progress from April through July?

2. Which company had the highest weekly sales in July and how many cones did it sell each week?

Company _____ Weekly sales _____

3. Double Dip increased their price ten cents at the end of July. What effect did the price increase have on the sales of Cone Carnival and Fun Cones everything else being equal?

4. Which of the three companies experienced the greatest increase in sales from April to August?

5. Which one or ones of the following four could account for the change in sales for all these businesses between August and September?

- A. summer vacation ended
- B. school opened
- C. the weather turned cool
- D. all businesses increased their prices