

1991 Polk County E-Team
7th Grade

Begin 5-point question round.

ECON 1. Word scramble. Unscramble the following words to form an economics idiom.

a, saved, is, earned, a, penny, penny

Answer: A penny saved is a penny earned.

MATH 2. Five numbers total 200. What is the average of the numbers?

Answer: 40

SCI 3. What type of connective tissue attaches muscles to bones?

Answer: tendons

ECON 4. As citizens and voters, people need to study economics in order to protect the American economy from foreign competition. True or false?

Answer: false

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

T, E, I, O, D, S, P

Answer: deposit

MATH 6. Which one or ones of the following four numbers are factors of 4,518?

- A. 7
- B. 8
- *C. 9
- D. 11

ECON 7. Fill in the two blanks. An economic system in which the factors of production are controlled by the government is called a _____
— _____.

Answer: command economy

ENG 8. Name the author of the novel David Copperfield.

Answer: Charles Dickens (accept: Dickens)

- GEOG** 9. Which one of the following four geographic locations has the same latitude as Florida?
- A. the Saskatchewan River
 - B. the French Riviera
 - C. the Andes Mountains
 - *D. the Sahara Desert

- MATH** 10. The highest weather temperature recorded was 136°F in Africa. The lowest temperature recorded was -127°F in Antarctica. How many degrees difference is there between these temperatures?

Answer: 263

- ECON** 11. Which one of the following four actions is an example of a possible financial investment?
- A. buying chewing gum
 - *B. buying baseball cards
 - C. buying notebook paper
 - D. buying a movie ticket

- SCI** 12. What type of membrane allows some materials to pass through it but not others?

Answer: semipermeable

- ECON** 13. Which one or ones of the following four are ways to save money when shopping for food?

- *A. use newspaper ads to look for store specials
- *B. buy generic brands
- *C. compare unit prices
- *D. use cents off coupons

- ECON** 14. The Truth in Lending Act requires disclosure of finance charges on credit purchases. True or false?

Answer: true

- ECON** 15. Which one of the following four terms identifies the total money that is owed by the government?

- A. deficit spending
- B. appropriation bills
- C. budget cost
- *D. the national debt

- ECON** 16. Fill in the blank. A pure monopoly is a market in which there is a single _____.

Answer: seller (accept: producer)

ENG 17. What poetic device is used in the following quotation from Lewis Carroll's Alice in Wonderland?

"His answer trickled through my head like water through a sieve."

Answer: simile

ECON 18. Which one of the following three best identifies the practice used by a store that advertises a VCR for \$200 and then tries to sell customers a "better" model for \$300?

- A. deceptive advertising
- *B. the bait and switch tactic
- C. the free prize tactic

ECON 19. Arrange the following four economics terms as they would appear in a glossary.

- A. distributor
- B. disposable
- C. distribution
- D. discount

Answer: D,B,C,A

ENG 20. Which one of the following four words is a synonym for the word compress?

- *A. squeeze
- B. project
- C. design
- D. inscribe

End of 5-point round

Begin 10-point team question.

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

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

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.

Handout 7-1-1

Team # _____

For the following questions use the chart, "50 Worst Toxic Waste Sites, 1988."

1. According to the chart, which state is the worst in terms of number and hazard level of toxic-waste sites?

2. What is the site, city, and rank of the toxic-waste site nearest you?

—

3. What is the site, city, state and rank of the toxic-waste site considered most hazardous in the U.S.?

—

4. Fill in the blank:

The worst site in Massachusetts ranks less toxic than sites in _____
_ other states.

5. What percentage of states in the U.S. have toxic-waste sites?

Read answers: (2 point each; no partial credit)

1. New Jersey
2. Shuylkill Metals Corp., Plant City, 41
3. Lipari Landfill, Pitman, N.J., 1
4. 3
5. 42%

Announce scores from team question.

Two-minute break.

Announce scores after the round.

Begin 10-point question round.

HIST 21. Fill in the two blanks. Constructed as a barrier in 1961, the _____ ceased to be a barrier in 1989 and preceded the reunification of Germany.

Answer: Berlin Wall

GEOG 22. Which one or ones of the following four countries do not border Nicaragua?

- *A. Guatemala
- B. Honduras
- C. Costa Rica
- *D. Mexico

ENG 23. Match each of the four authors to his work.

<u>Authors</u>	<u>Works</u>
1. J.R.R. Tolkien	A. <u>Walden</u>
2. Henry David Thoreau	B. <u>Leaves of Grass</u>
3. Walt Whitman	C. <u>The Hobbit</u>
4. Kenneth Grahame	D. <u>The Wind in the Willows</u>

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

ECON 24. Letter scramble. Unscramble the following letters to form a two-word economics term. Identify the term.

First word: S,S,E,L,I,A,Z
Second word: R,I,F,E,A

Answer: laissez faire

ECON 25. Fill in the two blanks. The difference between assets and liabilities is known as _____.

Answer: net worth

SS 26. What is the total number of time zones located in the contiguous United States?

Answer: four

ENG 27. Who am I? I am the main character in the book by the Italian writer C. Collodi. I am watched over by a good fairy during my many adventures. Everyone can tell by looking at my face that I have told a lie.

Answer: Pinocchio

MATH 28. Completely factor the expression, $9x - x^2$.

Answer: $x(9-x)$

SCI 29. What shapes of bacteria are indicated by the following three terms?

1. cocci
2. bacilli
3. spirilla

Answer: 1. spherical (round or ball-shaped acceptable)
2. rod-shaped
3. spiral (corkscrew acceptable)

ECON 30. Spell the economics term which means the protection against the risk of large losses.

Answer: i-n-s-u-r-a-n-c-e

ECON 31. Fill in the three blanks with the missing words. The market value of all final goods and services produced in a country in a year is known as the _____.

Answer: gross national product

MATH 32. How much money should be invested at 6% simple interest annually to yield the same yearly income as \$1,500 invested at 8% simple interest per year?

Answer: \$2,000

GEOG 33. Match each of the four countries to its capital.

<u>Countries</u>	<u>Capitals</u>
1. Iraq	A. Cairo
2. Saudi Arabia	B. Baghdad
3. Jordan	C. Riyadh
4. Egypt	D. Amman

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

ENG 34. Fill in the two blanks in the following definition.

A _____ sentence has two or more simple sentences joined by the _____
_ and, or, or but.

Answer: compound, conjunction

ECON 35. I will give you every other letter of an economics term. Identify the term.

_ O _ P _ R _ T _ O _

Answer: corporation

ECON 36. Which one or ones of the following four would not be labeled a land economic resource?

- A. air
- B. minerals
- C. timber
- *D. machines

GEOG 37. What continent is the home of the four empires of Songhai, Mali, Kush, and Ghana?

Answer: Africa

ECON 38. Fill in the two blanks to complete the following definition.

_____ is the value of the benefit that is sacrificed when one thing is produced instead of another.

Answer: opportunity cost (accept: real cost or alternative cost)

ECON 39. Spell the ten-letter economics term illustrated in the following situation.

Jim's large power mower could not be used to reach grass under shrubs and in other small spaces, where he had to use a smaller hand mower. Jim invented a small power mower that could reach these places, thus increasing the speed and efficiency with which he could mow lawns.

Answer: t-e-c-h-n-o-l-o-g-y

SS 40. Which one of the following four is not a landform?

- *A. country
- B. continent
- C. island
- D. isthmus

End of 10-point round.

Begin 20-point team question.

Read: For this team question you will be given Handout 7-1-2.

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 4 minutes. Please identify one handout as your team answer sheet in the upper left-hand corner.

Begin.

Time 4 minutes.

STOP!!

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

Read answer: (4 points each)

1. 34
2. 2.08
3. 256
4. 14
5. 23

Announce scores from team question.

Two-minute break.

Announce scores after the round.

Begin 15-point round.

ECON 41. The price of a product can be determined by looking at its supply curve. True or false?

Answer: false

ECON 42. Which one of the following three best explains why a building contractor would have each of the carpenters working on his houses specialize in one small task?

- *A. to increase the carpenters' productivity
- B. to increase the carpenters' wages
- C. to make each house different in size

Handout 7-1-2

Team # _____

Write your answer on the blanks provided (one digit per blank). Use the information in the first question to compute the answers to the following questions.

MATH 43. Place the following five numbers in order from smallest to largest.

$\overline{\quad}$
19, 3, 1.6, $\frac{17}{9}$, 5

Answer: 1.6; $\frac{17}{9}$; 3, $\overline{\quad}$, 19, 5

ENG 44. This is a two-part question. Two words, advise and advice, are often misused. Spell the two words defined by the following definitions in the order given.

First word: an opinion that is given

Second word: to give an opinion

Answer: A-D-V-I-C-E, A-D-V-I-S-E

ECON 45. Letter scramble. Unscramble the following letters to form a two-word economics term.

First word: A, E, M, T, R, A, I, O, P, C, V

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

Answer: comparative advantage

ECON 46. Which one of the following four is shown using a production possibilities curve?

- A. how much money it would cost to produce a particular item
- *B. the cost of producing one item in terms of the sacrifice of another item
- C. which of two items the consumers would most like to have
- D. the hours of labor needed to produce two different items

ENG 47. Match each of the four gods or goddesses to the area each ruled.

Gods or Goddesses

Areas

- | | |
|---------------|-------------------|
| 1. Ares | A. the underworld |
| 2. Athena | B. fire |
| 3. Hephaestus | C. war |
| 4. Hades | D. wisdom |

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

For the next question you will be given handout 7-1-3. Do not distribute these until you are instructed to do so. (pause) Distribute these face up.

SCI 48. The diagram shows the stages of cell division called mitosis. Place the stages in the order in which they would occur.

Answer: C, B, E, A, D

Handout 7-1-3

- ECON** 49. Which one of the following four will most likely happen in the event that a factory manager continues to add more workers, but never adds machines or other productive resources?
- A. Total production will drop as each new worker is added.
 - B. Each new worker will add as much to the firm's output as the previous worker added.
 - *C. The output added by each new worker will rise for a while but then begin to decline.
 - D. Each new worker will add more to total output than the previous workers added.

- MATH** 50. Compute the result of this four-step problem. Add the number of sides of a pentagon to the number of days in a non-leap year. Add the number of degrees in a right angle. Subtract the number of degrees in a circle. Subtract the value of the Roman numeral C.

Answer: zero ($5 + 365 = 370$; $370 + 90 = 460$, $460 - 360 = 100$; $100 - 100 = 0$)

- ECON** 51. Spell the economics term which means the 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

- SCI** 52. Name the complex biological process summarized by the equation $6\text{-C-}0\text{-}2\text{+}6\text{-H-}2\text{-}0\text{+}$ light and energy yields $\text{C-}6\text{-H-}12\text{-}0\text{-}6\text{+}6\text{-}0\text{-}2$.

Answer: photosynthesis

- ECON** 53. Which one or ones of the following four are forms of business organization?

- *A. sole proprietorships
- *B. partnerships
- C. stock markets
- *D. corporations

- SS** 54. Spell the name of the sea that has a total of thirteen letters.

Answer: M-e-d-i-t-e-r-r-a-n-e-a-n

- ENG** 55. Complete the following analogy using one of the four given choices.

Barter is to trade as mitigate is to _____.

- *A. alleviate
- B. mix
- C. misshape
- D. guarantee

- ECON** 56. Name the two types of stock issued by a corporation.

Answer: common, preferred (either order)

- SS** 57. Which one of the following four regions of the United States developed around the coal mining industry, has a low per capita income, and has experienced union unrest due to worsening economic conditions?
- A. Rocky Mountain region
 - B. White Mountain region
 - *C. Appalachian region
 - D. Green Mountain region

(source: America: Its People and Values, Wood, p. 61)

- ECON** 58. Word scramble. Unscramble the following words to form the definition of an economics term. Identify the term.

by, estate, a, secured, loan, real

Answer: mortgage (a loan secured by real estate)

- SS** 59. Name the capital city of the country that has had until recently the leadership of Manual Noreiga.

Answer: Panama City

(source: American History, Garraty, p. 637)

- MATH** 60. A store discounted a television which was originally priced at \$680 by 20%. For one day only the store ran a special of an additional 15% off the discounted price. What is the sale price without sales tax for the one-day period.

Answer: \$462.40

End of 15-point round.

Begin 30-point team question.

Read: For this team question you will be given Handout 7-1-4 and 7-1-4A.

Do not distribute the handouts until you are instructed to do so. This team question is worth 30 points. Each question is worth 2 points.

You will be given 5 minutes. Please identify one handout as your team answer sheet in the upper left-hand corner.

Begin.

Time 5 minutes.

STOP!

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

Handout 7-1-4

Team # _____

Answer the questions below. Then unscramble the letters in the circles to form the name of a region and its nation that has been in the news.

1. Name the country whose leader, Ceausescu, was executed in December of 1989.

___ ___ ___ ___ ___ ___ ___

2. What is the name given a sentence that requests or commands someone to do something?

___ ___ ___ ___ ___ ___ ___ ___ ___ ___

3. The name for a triangle with all sides having different measures is

___ ___ ___ ___ ___ ___ ___.

4. Name the process in which green plants use the sun's energy to convert CO_2 to O_2 and sugars.

___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

5. A general rule or fact expressed by using symbols is a

___ ___ ___ ___ ___ ___ ___.

6. Which South Asian country is now called Kampuchea?

___ ___ ___ ___ ___ ___ ___ ___

7. What is the term that applies to imaginary stories and events that did not really happen as described?

___ ___ ___ ___ ___ ___ ___

8. What is the three-word term used to describe the situation in which a country's birth rate is balanced with its death rate?

___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

___ ___ ___ ___ ___ ___

9. Name the element found in all of the organic molecules that make up living things.

___ ___ ___ ___ ___ ___

Handout 7H-1-4A

Team # _____

10. What is the name of the South African policy of racial segregation?

____ _

11. Give the name for the number that indicates how many times another number is to be used as a factor.

____ _

12. Give the last name of the French chemist who discovered that many diseases and infections are caused by microorganisms.

____ _

13. Name the part of speech that modifies a noun or pronoun.

____ _

14. What is the term meaning the belief that one cultural group is superior to others?

____ _

15. Region and Nation _____,

____ _

Read answers: (2 points each)

- | | |
|----------------------------|--------------------------|
| 1. Romania** | 9. carbon |
| 2. imperative | 10. apartheid* |
| 3. scalene | 11. exponent |
| 4. photosynthesis | 12. Pasteur |
| 5. formula | 13. adjective |
| 6. Cambodia* | 14. ethnocentrism* |
| 7. fiction | 15. Azerbaijan, U.S.S.R. |
| 8. zero population growth* | |

*source: World Geography, Hunkins, #6-pp. 579, 559; #8-p. 576; #10-p. 571; #14-p. 572

**source: Tampa Tribune, January 24, 1990, p. 6A

Announce scores from team 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. Only the team whose scores are tied will compete.

Tie-breaker questions.

- SS** 1. On which one of the following four continents do forests exist which flood routinely and form an essential link in the world's ecological balance?

- | | |
|------------------|-------------------|
| A. North America | *C. South America |
| B. Europe | D. Asia |

(source: America: Its People and Values, Wood, p. xxvii)

- MATH** 2. Give the sum of the following three numbers. Express your answer in scientific notation.

$$5.2 \times 10^7; 3 \times 10^8; 4.45 \times 10^6$$

Answer: 3.965×10^8

- MATH** 3. Kermit is one year younger than Gonzo. Find their present ages if the sum of their ages is 37.

Answer: Kermit is 18, Gonzo is 19.

- SS** 4. Give the backwards spelling of the name of the North American nation bordering the United States which has recently lodged complaints concerning the acid rain fallout from the United States.

Answer: A-D-A-N-A-C

- MATH** 5. Compute the discount on a radio if the rate of discount is 22% and the list price is \$65.50.

Answer: \$14.41

