

1995 Polk County Middle School E-Team

Tournament

Introduce yourself. Welcome the participants and give the significance of this particular competition. Each team member and head coach of the finalist teams will receive a trophy donated by the Polk Economic Education Council. A school trophy will also be awarded to these six schools. (Thank the PEEC for support.)

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.

SS 1. How many time zones are there in the world?

Answer: 24

ECON 2. Fill in the blank using one of the four given choices.

In a socialist economy, the major industries are owned by _____.

1. the workers
2. the farmers
- *3. the government
4. private business investors

MATH 3. What is the least number of dimes a consumer could receive in change when paying for a \$4.15 purchase with a five-dollar bill?

Answer: one

ECON 4. Fill in the blank with the missing word.

A general increase in the prices of most goods and services is called _____.

Answer: inflation

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

V, A, S, E

Answer: save

- ENG** 6. Which one of the three given choices identifies the kind of poem represented by the following five-line stanza?

A brilliant young doctor named Green
 Fooled around with a brand new vaccine,
 Gave himself an injection
 And it sure killed infection,
 But it also grew hair on his spleen.

- *1. limerick
- 2. lyric
- 3. parody

(Source: Tapestry, Macmillan, Glossary)

- ECON** 7. Spell the economics term that means a person who organizes resources and combines them to produce goods and services and assumes the risk for the sake of possible profit.

Answer: entrepreneur (accept: manager)

- SS** 8. In which one of the following four cities would an individual be unable to visit a cargo ship anchored in a port?

- 1. Tampa, Florida
- 2. Boston, Massachusetts
- 3. New York, New York
- *4. Atlanta, Georgia

- SCI** 9. Which step of the scientific method is illustrated by the following?

"Does antifreeze lower the freezing point of water?"

Answer: (forming a) hypothesis
 (Source: Prentice Hall)

- SS** 10. What is the term given to people who move from place to place following their herds?

Answer: nomads (accept: bedouins)

End of 5-point round for 6th grade.

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

Take 2 minutes.

Conduct a button check after the break.

Announce cumulative scores.

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

ECON 11. Which one of the following four is most likely to happen in a command economic system?

1. Storekeepers will try to give customers what they want.
- *2. Factories will be owned by the government.
3. There will be many different brands of identical merchandise.
4. Businesses will spend a lot of money advertising their products.

ENG 12. Identify the two following sentences as declarative, interrogative, exclamatory, or imperative.

1. Mothers often ask their children not to leave clothes, towels, junk, and prized possessions on the floor.
2. Clean your room before you leave.

Answer: 1. declarative
2. imperative

You will need the following information to answer the question.

A small corporation is owned by five stockholders: Smith, Diaz, Chin, Blue and Fink. Smith owns 100 shares of stock; Diaz owns 200; Chin owns 600; Blue owns 150; and Fink owns 100.

ECON 13. Both Chin and Blue want to run the business. Who won the election for chairman of the board of directors in which Chin voted for himself, and everyone else, including Blue, voted for Blue?

Answer: Chin

MATH 14. Find the area in square feet of a garden that measures 50 _ feet by 25 _ feet.

Answer: $1275 \frac{1}{8}$ (accept: 1275.125)
(Note: $\frac{101}{2} \times \frac{101}{4} = \frac{10201}{8} = 1275 \frac{1}{8}$)

ECON 15. Which one of the following four economic terms describes GM, Ford and Chrysler?

1. monopoly
2. partnership
- *3. oligopoly
4. natural monopoly

ECON 16. Assume that the exchange rate for the Chilean peso is \$1 = 135 pesos. How much would an American importer pay in dollars for 202,500 pesos worth of wool?

Answer: \$1,500

For the next three questions you will be given Handout 6-2-1. Do not distribute these until you are instructed to do so. (pause) You may distribute these face down.

SS 17. Letter A of the African map shows the location of what mountain range?

Answer: Atlas (Mountains)

SS 18. What letter on the map refers to the source of the White Nile River?

Answer: H

SS 19. Which one of the following four countries is represented by the letter N?

1. Mali
- *2. Nigeria
3. Chad
4. Congo

SCI 20. This is a two-part question. In a plant cell what are the food-making cells called and what process takes place in them?

Answer: chloroplasts, photosynthesis

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 of the following three purchases is the most expensive per unit?

1. ten candy bars for \$3.00
2. four candy bars for \$1.00
- *3. six candy bars for \$2.00

SS 22. Identify the three great world religions that claim Jerusalem as a holy city.

Answer: Judaism, Christianity, Islam (any order)

2

Handout 6-2-1

Set

1995

ECON 23. Which one of the following four would not be a likely benefit of installment buying?

1. assistance in an emergency situation
2. immediate use
3. greater purchasing power
- *4. ease in charging more than one is capable of repaying

ENG 24. In which one or ones of the following four research sources would one find how many people live in France today?

- *1. atlas
2. biographical reference
- *3. almanac
4. thesaurus

Use the following information to answer the next question. High Flying Kite Corporation has a new line of kites. These kites will soon be distributed to Daisy Department Stores for sale in their toy sections.

ECON 25. Identify the producer of the consumer good.

Answer: High Flying Kite Corporation

MATH 26. The sum of the ages of a girl and her brother is 31. How old is the younger of the two if the difference of their age is 7?

Answer: 12

ECON 27. If your salary increased by 2% and inflation increased by 4%, did your real income increase, decrease or remain the same?

Answer: decrease

For the next three questions you will be given Handout 6-2-2. Leave these where they are placed until you are given further directions. (pause) You may distribute these face up. At different temperatures, cells reproduce at different rates.

SCI 28. According to the graph, at what temperature does cell A reproduce most quickly?

Answer: 35°C

SCI 29. What happens to the rate of reproduction as the temperature increases between 10°C and 33°C?

Answer: (reproduction also) increases

SCI 30. What happens to the rate of reproduction as the temperature increases between 35°C and 50°C?

Answer: (reproduction) decreases

(Source: Prentice Hall, General Science, p. 77)

2

Set

Handout 6-2-2

1995

End of 15-point round for 6th grade.

Announce the two-minute break during which the seventh grade team is seated.
(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 7th grade.

ECON 1. What is the first step in the PACED decision-making process?

Answer: define the problem
(Source: Give and Take, p. 4)

SS 2. The higher the degree of latitude, the higher the degree of temperature. True or false?

Answer: false

ECON 3. Which one or ones of the following four are not local taxes?

1. property tax
- *2. alcohol tax
- *3. cigarette tax
4. animal license tax

ENG 4. I will read a definition for you. The answer will be an economics term and a rhyming word. For example, a huge amount demanded by a creditor is a large charge. One of the rhyming words will appear in the definition: Money paid for use of a tent.

Answer: tent rent

ECON 5. Fill in the blank using one of the three given choices. _____ are taxes that take a larger percentage of high income than low income.

1. proportional taxes
- *2. progressive taxes
3. regressive taxes

ECON 6. Governments use taxation to redistribute income. True or false?

Answer: true
(Source: Give and Take)

SCI 7. Which one of the following four statements is true of mitosis?

1. It is divided into 6 phases.
2. It occurs only in plant cells.
3. It is the only method of cell division.
- *4. It is a continuous process.

(Source: HBJ, Life Science)

ECON 8. Letter scramble. Unscramble the following letters to form a two-word economics term which is exemplified by employment in the citrus industry being seasonally high in the winter. Identify the term.

First word: s, l, n, a, o, s, a, e

Second word: s, l, c, f, u, t, a, n, t, o, i, u

Answer: seasonal fluctuations

SS 9. Identify the type of climate we have in Polk County.

Answer: humid subtropical

For the next question you will be given Handout 7-2-1. Leave these where they are placed until you are given further directions. (pause) You may distribute these face up.

SCI 10. Name the four designated parts of the microscope.

- Answer:
- A. arm
 - B. (body) tube
 - C. objective (lens)
 - D. stage

End of 5-point round.

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.

SS 11. Name the two landlocked countries in South America.

Answer: Bolivia, Paraguay (either order)

2

Set

Handout 7-2-1

1995

ECON 12. Fill in the blanks using one of the four given choices. If the demand for a product decreases while its supply remains the same, the new equilibrium price will be _____, and the quantity supplied will be _____.

1. higher, lower
2. higher, higher
- *3. lower, lower
4. lower, higher

ENG 13. Rearrange the five letters in the word green to find the name for a literary form such as comedy, poetry, and drama.

Answer: genre
(Source: Blueprint, T, Macmillan, Glossary)

ECON 14. This is a two-part question. Suppose you open two savings accounts at the same time with deposits of \$100.00 in each. One account pays 7% simple interest paid annually. The other pays 6% compound interest, paid annually. At the end of two years, which account will have more money, and how much more will it have?

Answer: simple interest, \$1.64 (more)

SCI 15. Imagine you are in a blimp flying toward your house at 15 meters per second, and you want to drop a water balloon so that it hits a target in the front yard. Should you drop the balloon when you are:

1. directly over the target
- *2. before you are directly over the target or
3. after you have passed the target

ECON 16. Fill in the blank in the following statement using one of the four given choices.

Maintaining a steady level of high employment and low inflation is _____.

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

(Source: Give and Take, p. 6)

SCI 17. Which one of the following four is a diurnal animal?

- *1. human
2. owl
3. bat
4. hamster

ECON 18. Fill in the blank using one of the three given choices. When a surplus exists, there is a tendency for _____.

- *1. sellers to want to lower the price
- 2. buyers to want to raise the price
- 3. sellers to want to raise the price

ENG 19. This is a two-part question. What mark of punctuation follows:

- Part 1: the salutation or greeting in a business letter
- Part 2: the complimentary close of a business letter

Answer: Part 1: a colon
Part 2: a comma

For the next question you will use this information. The PTO is donating \$4,000 to Knight Middle School clubs. They will give each club a percent of the \$4,000 equal to the percent of students choosing that club as their favorite. The results of the poll showed of the 400 students 40 chose the math club, 100 chose the foreign language club, 120 chose the E-Team, 80 chose the chess club and 60 chose the stamp club.

MATH 20. This is a two-part question.

- Part 1: How much money did the math club receive?
- Part 2: How much more did the E-Team receive than the stamp club?

Answer: Part 1: \$400, Part 2: \$600

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.

SCI 21. Give respectively the scientific term that best describes the relationship of each of the following three groups of words:

- 1. epicenter, Richter, seismologist
- 2. aluminum, sodium, silicon
- 3. mass, volume, density

Answer: 1. earthquakes
2. elements
3. measurements

(Source: Daily Science, Goer Publications)

For the next four questions you will be given Handout 7-2-2. Leave these where they are placed until you are given further directions. (pause) You may distribute these face up.

ECON 22. Which letter indicates firms?

Answer: A
(Source: Scott, Foresman, Invitation to Economics)

ECON 23. Which letter indicates households?

Answer: B

ECON 24. Which letter indicates payment for goods and services?

Answer: D

ECON 25. Which letter indicates wages, rent, interest and profit?

Answer: G

ENG 26. Give respectively the animal indicated by each of the following four literary names.

1. Algernon
2. White Fang
3. Bambi
4. Rikki-Tikki-Tavi

Answer: 1. mouse
2. dog
3. deer
4. mongoose

For the next four questions you will be given Handout 7-2-3. Leave these where they are placed until you are given further directions. (pause) You may distribute these face up.

SS 27. Identify the letter of the French-speaking province.

Answer: C

SS 28. This is a two-part question. Identify the letter and the name of the province which borders the Great Lakes.

Answer: H, Ontario

SS 29. Identify the letter of the maritime province which is the home of Anne of Green Gables.

Answer: F

- SS** 30. Identify the letter of the province associated with the Cordillera region of Canada.

Answer: L

2

Handout 7-2-3

Set

1995

End of 15-point round for 7th grade.

It is time for the 30-point team question entitled "Out of Order."

For this team question you will be given Handout 7-2-4.

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 one point.

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: (one point each)

1. B	11. 2	21. 4
2. C	12. 1	22. 3
3. C	13. 2 (Edgar)	23. 3
4. D	14. 1 (Joel)	24. 5
5. A	15. 3 (Ernest)	25. 2
6. D	16. 4 (William)	26. 1
7. 4	17. 6 (Christopher)	27. 4
8. 5	18. 5 (Sherlock)	28. 2
9. 1	19. 2	29. 3
10. 3	20. 1	30. 1

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.

2

Set

1995

Handout 7-2-4
Team # _____

2

Set

1995

Handout 7-2-4
Team #ANSWERS

- ECON** 1. Fill in the blank using one of the three given choices.

Limited liability is a characteristic of a _____.

1. sole proprietorship
2. partnership
- *3. corporation

- SCI** 2. What phrase is given to the situation in which carbon dioxide, methane and water vapor are thought to trap heat in the atmosphere?

Answer: the Greenhouse effect
(Source: Science +, p. 136)

- ECON** 3. Identify the factor of production associated with each of the following four.

1. the owner
2. the employee
3. the factory
4. the electricity

Answer: 1. entrepreneur (accept: management)
2. labor
3. capital
4. land

- ENG** 4. Complete the following analogy using one of the four given choices.

Coward is to fear as hero is to _____.

1. rescue
2. brave
3. heroine
- *4. courage

(Note: Brave is the wrong part of speech.)

- SS** 5. I will give you every other letter of a two-word term which means goods produced in the American colonies that could be sold only within the British Empire. Identify the term.

First word: N M R T D
Second word: R I L S

Answer: enumerated articles

- ECON** 6. Fill in the blank using one of the following four given choices.

According to Adam Smith, the butcher and baker are in business _____.

1. to do something nice for customers

2. because they live in a command economy and the government requires that they do so
3. because their fathers were in that business
- *4. to make a profit

SS 7. Which one of the following four explorers is incorrectly matched with the nation under whose flag he sailed?

1. John Cabot - England
2. Juan Cabral - Portugal
- *3. Martin Frobisher - The Netherlands
4. Hernando DeSoto - Spain

ECON 8. Fill in the blank using one of the four given choices.

In a market economy, the actual price and quantity sold are determined by _____.

- *1. the interaction of both buyers and sellers
2. only the buyers
3. the government
4. only the sellers

SCI 9. Complete the following statement using one of the four given choices. When crossing a red flower with a white flower, the offspring show incomplete dominance if they are _____.

1. all red
- *2. all pink
3. all white
4. _ red and _ white

(Source: Focus on Life Science, Merrill, Chapter 19)

SS 10. Fill in the blank. The economic expansion in Europe that occurred between 1450 and the 1700's is called the _____.

Answer: Commercial Revolution

End of the 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 the 10-point question round for 8th grade.

ECON 11. Spell the two-word economics term which is defined as an undifferentiated product; a product in which every unit is just like every other unit.

Answer: h-o-m-o-g-e-n-e-o-u-s p-r-o-d-u-c-t

SCI 12. Compare the numbers of electrons, protons and neutrons in cobalt-60 and cobalt-59.

Answer: electrons - same
protons - same
neutrons - 1 more (in cobalt-60)
(Source: Merrill, Science Connections)

The next four questions will deal with the concept of elastic and inelastic demand.

ECON 13. Which one of the following four is not a determinant of elasticity of demand?

1. luxury versus necessity
2. proportion of income
- *3. profit motive
4. substitutability

ECON 14. Which one or ones of the following four would be considered a luxury which would therefore result in elastic demand?

- *1. t-bone steak
2. insulin
- *3. a new automobile
4. toilet paper

ECON 15. Based on the concept of proportion of income, fill in the blank using one of the four given choices. As the price of salt increases, the quantity demanded is likely to _____.

1. increase by a large amount
2. increase by a small amount
3. decrease by a large amount
- *4. decrease by a small amount

ECON 16. Which one or ones of the following four products would have close substitutions resulting in elastic demand?

1. electricity for lighting
- *2. Reebok tennis shoes
- *3. Guess Jeans
4. tennis rackets

ENG 17. Which one of the following two sentences is a complex sentence?

1. My father and mother surprised me by giving me a share in the family business.
- *2. When my father retires, I hope to buy the business and expand its production.

SS 18. Complete the following analogy using one of the four given choices.

Patrick Henry is to "Give me liberty or give me death," as Thomas Paine is to _____.

1. "Don't fire until you see the whites of their eyes."
2. "I only regret that I have but one life to give for my country."
3. "I have not yet begun to fight."
- *4. "These are the times that try men's souls."

SS 19. On which one of the following four issues were Alexander Hamilton and Thomas Jefferson in closest agreement?

1. establishing a national bank
- *2. locating the national capital in the south
3. favoring manufacturing over farming interests
4. supporting a strict interpretation of the Constitution

SCI 20. Using a scale of 1 million years equals 1 millimeter, how long would you draw a line in centimeters to depict the fact that primitive human beings appeared 2.5 million years ago?

Answer: 0.25 (centimeters)

Source: Merrill, Science Connections)

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. In which one of the following four conditions do government-imposed price ceilings tend to result?

1. incentives
- *2. shortages
3. surpluses
4. equilibrium

(Source: HBJ, Economics: Free Enterprise in Action)

ENG 22. Match each of the following four authors to his book.

<u>Authors</u>	<u>Books</u>
A. C. S. Lewis	1. <u>The Outsiders</u>
B. John Steinbeck	2. <u>The Red Pony</u>
C. Ernest Hemingway	3. <u>The Old Man and the Sea</u>
D. S. E. Hinton	4. <u>The Chronicles of Narnia</u>

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

The following four questions consist of newspaper headlines from American history. To illustrate the concept of checks and balances, identify respectively the branch of government that did the checking and the branch that was checked.

SS 23. Robert Bork's Nomination for Supreme Court Not Confirmed

Answer: Checking - Legislative
Checked - Executive (accept: Judicial)

SS 24. Supreme Court Rules Police Must Read Miranda Rights to Suspects

Answer: Checking - Judicial
Checked - Executive

SS 25. Andrew Jackson Vetoes Bank Bill

Answer: Checking - Executive
Checked - Legislative

SS 26. President Andrew Johnson Impeached

Answer: Checking - Legislative
Checked - Executive

ECON 27. Which one of the following four would include paid sick days, health and life insurance, and retirement programs?

- *1. fringe benefits
- 2. fringe contracts
- 3. fringe supplements
- 4. fringe wages

ECON 28. Fill in the blank with the missing word.

Announcement of health problems associated with product A would cause the demand curve for product A to shift to the _____.

Answer: left

ECON 29. If a business has a fixed cost of \$40.00 and an operating cost of \$10.00 for each unit produced and sells the item for \$20.00, after which item sold will the business reach the break-even point?

Answer: fourth

ECON 30. Which one of the following three best describes an engine being shipped to General Motors to be used in the production of a truck?

1. consumer good
2. final good
- *3. intermediate good

End of 15-point round for 8th grade.

It is time for the 30-point team question entitled "Color My World."

For this team question you will be given Handouts 8-2-1 and 8-2-1A.

You will also be given a box of crayons.

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 one point.

You will be given 5 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 5 minutes.

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

Read answers: (one point each)

- | | | |
|-----------|------------|------------|
| 1. red | 11. black | 21. green |
| 2. green | 12. red | 22. black |
| 3. red | 13. green | 23. red |
| 4. purple | 14. purple | 24. blue |
| 5. black | 15. yellow | 25. purple |
| 6. brown | 16. blue | 26. yellow |
| 7. blue | 17. brown | 27. orange |
| 8. orange | 18. black | 28. red |
| 9. blue | 19. green | 29. yellow |
| 10. green | 20. red | 30. red |

Announce scores from team question.

Say: Are there any questions?

Teams should remain seated until final scores are computed.

(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.

2

Set

1995

Handout 8-2-1
Team # _____

2

Set

1995

Handout 8-2-1A
Team # _____