

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. Instruct everyone to turn off all electronic devices. There is no videotaping allowed. Ask that audience members please remain seated and quiet during the competition. Entry and exit should occur only during the authorized breaks.

Conduct a button and calculator check.

Begin the 5-point question round for 6th grade.

- ECON** 1. Identify the economic term from your glossary defined as the act of putting money in an account in a bank or other financial institution or the sum of money put into a bank or other financial institution at one time.

Answer: deposit

- MATH** 2. By which one of the following four integers is the number 426 divisible?
- A. 5
 - * B. 6
 - C. 8
 - D. 9

- ENG** 3. Identify the type of figurative language used in the following advertisement.

Cotton Top Tissues are soft as clouds.

Answer: simile

- SCI** 4. Identify the ocean associated with the tropical weather phenomenon El Niño.

Answer: Pacific (Ocean)

- ECON** 5. Spell the three-syllable economic term from your glossary which means to use for a particular purpose.

Answer: a-l-l-o-c-a-t-e

For the next question you will need this information. The population of Merry Middle School is one thousand students. The sixth grade has a population of 240 students.

- MATH** 6. In simplest form, state the sixth grade's population as a fraction of the school's population.

Answer: 6/25

- GEOG** 7. Fill in the blank with the missing geography term. A (blank) is a large level area that rises above the surrounding land which has at least one side with a steep slope.

Answer: plateau

- ENG** 8. Fill in the blank in the following sentence with is or are.

Either Sarah or Martha (blank) going to the bank.

Answer: is

- SCI** 9. Which one of the following three science terms best describes the mid-ocean ridge boundary?

1. convergent
2. strike slip
- * 3. divergent

- GEOG** 10. Identify the leafy, dense layer of the rainforest which is formed by the uppermost branches.

Answer: canopy (Source: PH World Studies, 6th Grade p. 52)

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.

- ENG** 11. Identify respectively each of the following three sentences as compound or complex.

1. John Henry held a hammer tightly when he was a baby.
2. Whenever John hit a spike, sparks flew from the hammer.
3. Jane read *Harry Potter and the Chamber of Secrets*, and the book entertained her.

Answer: 1. complex; 2. complex; 3. compound

- SCI** 12. In which one of the following four atmospheric layers is the ozone layer located?

1. Troposphere
2. Mesosphere
- * 3. Stratosphere
4. Thermosphere

ECON 13. Match each of the four economic terms to its synonym.

<u>Terms</u>	<u>Synonyms</u>
A. real estate	1. land
B. tariff	2. worth
C. utility	3. satisfaction
D. value	4. duty

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

ENG 14. Which one or ones of the following four are considered forms of poetry?

- * 1. sonnet
- * 2. ode
- * 3. elegy
- * 4. epic

ECON 15. Identify the economic term from your glossary defined as a collection of firms producing identical or closely related products.

Answer: industry

GEOG 16. Which one or ones of the following four do not describe the area between the Tropic of Cancer and the Tropic of Capricorn?

- 1. tropics region
- * 2. middle latitudes
- * 3. temperate zone
- 4. low latitudes

MATH 17. Identify respectively each of the following four numbers as prime or composite.

- A. 27
- B. 31
- C. 144
- D. 51

Answer: A. composite; B. prime; C. composite; D. composite

SCI 18. Match each of the three scientific variables to its description.

<u>Variables</u>	<u>Descriptions</u>
A. independent	1. measured
B. dependent	2. not changed
C. control	3. changed

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

SS 19. Identify the cooperative settlements where Israeli people live and work together, eat together and divide profits equally.

Answer: kibbutz (accept: kibbutzim and kibbutzes)

MATH 20. State the next three numbers in the following mathematical pattern:

299, 293, 288, 284, _____, _____, _____

Answer: 281; 279; 278

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.

MATH 21. Determine Veronica's total cost for 35 pencils given that the selling price is \$1.60 for 20 pencils.

Answer: \$2.80

ENG 22. Match each of the four colors to the associated character trait.

<u>Colors</u>	<u>Traits</u>
A. yellow	1. purity
B. white	2. jealousy
C. green	3. anger
D. red	4. cowardliness

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

ECON 23. Fill in respectively the two blanks in the following statement using one of the three given choices.

According to the law of supply, producers want to supply (blank) of a good or service as its price (blank).

- * 1. less, decreases
- 2. more, decreases
- 3. less, increases

SCI 24. Which one of the following four SI units best describes a hurricane's minimum wind speed?

- 1. 75 km per hour
- 2. 158 km per hour
- 3. 92 km per hour
- * 4. 119 km per hour

ECON 25. Identify the two-word economic term defined as an economic system characterized by private ownership of property and resources, competition and free markets where individuals, rather than government, make the decision about the way resources are used.

Answer: free enterprise

GEOG 26. Fill in the blank with the missing geographical term. The three main groups into which the Pacific Islands are divided are Melanesia, Micronesia and (Blank).

Answer: Polynesia

(Source: PH World Studies, Asia and the Pacific, 6th Grade p. 73)

MATH 27. Determine in inches the length of the base of a certain triangle with an area of 30 square inches and a height of 10 inches.

Answer: 6 (inches)

SCI 28. Convert the height in centimeters of Mt. Everest given that its height has been measured to be 8.848 km.

Answer: 884,800 (cm)

ENG 29. Which one of the following four novels was not written by Lois Lowry?

1. *Number the Stars*
- * 2. *The Wishing Star*
3. *The Giver*
4. *The Messenger*

(Note: *The Wishing Star* was written by Norma Johnston.)

GEOG 30. Match each of the four geographic terms beginning with the letter D to its definition.

<u>Terms</u>	<u>Definitions</u>
A. distortion	1. shedding leaves at certain stages of development or seasonally
B. desertification	2. process by which fertile land becomes too damaged to support life
C. deciduous	3. loss of accuracy
D. drought	4. long period of dry weather

Answer: A-3, B-2, C-1, D-4 (Source: PH World Studies, 6th Grade)

End of 15-point round for 6th grade.

It is time for the 30-point team question entitled “My Fair Lady.”

For this question you will use Handout 6-1-1. Locate the envelope labeled 6-1-1 but do not open it.

This envelope contains four copies of Handout 6-1-1 and a group of “Fair Ladies”. You are to fill in the blank after each clue on the handout with the letter above each corresponding lady pictured. This team question is worth a total of 30 points, and each question is worth 3 points.

You will be given 3 minutes to complete the handouts. Remember to write your team number on the answer sheet to be collected and scored.

Open the envelopes, distribute, and begin.

Time 3 minutes.

STOP! Hold your team answer sheet in the air.

Read answers: (3 points each)

- | | |
|-----------------------|-----------------------|
| 1. D (Sacagawea) | 6. G (Rosa Parks) |
| 2. J (Betsy Ross) | 7. B (Marie Curie) |
| 3. H (Clara Barton) | 8. C (J.K. Rowling) |
| 4. A (Amelia Earhart) | 9. E (Princess Diana) |
| 5. F (Harriet Tubman) | 10. I (Helen Keller) |

Announce scores from the team question.

Ask if there are any questions concerning the scoring.

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

Time 2 minutes.

Conduct a button and calculator check after the break.

Announce cumulative scores.

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

ECON 1. I will give you every other letter of a two-word economic term from your glossary. Identify the term.

First word: _ R _ C _

Second word: _ N _ E _

Answer: price index

Handout 6-1-1

Team # _____

MY FAIR LADY

Fill in the blank after each clue with the letter above each corresponding lady.

1. This Native American woman accompanied Meriwether Lewis and William Clark in their exploration of the Western US, serving primarily as an interpreter. _____
2. This woman, born in Philadelphia in 1757, has been widely credited with making the first American flag. _____
3. This pioneer woman was reported to have a strong, independent spirit and is best known for having organized the American Red Cross. _____
4. During an attempt to circumnavigate the globe in 1937, this notable aviator disappeared over the Pacific Ocean and was never found. _____
5. The following quote is attributed to this abolitionist: "On my underground railroad I never ran my train off the track. And I never lost a passenger." _____
6. This civil rights activist refused to give up her seat on the bus in Montgomery, Alabama and was later called the "Mother of the modern-day civil rights movement" by the US Congress. _____
7. This Polish born physicist was a pioneer in the field of radioactivity. She was the first person honored with two Nobel Prizes and is best known for her discovery of the radioactive elements polonium and radium. _____
8. This British author is best known for her creation of a fantasy literary series. Her books have won multiple awards, sold more than 400 million copies and have been made into a popular series of films. _____
9. This royal figure was celebrated for her dedication to many social causes during her short life. It is estimated that more than 2.5 billion people watched her funeral service on television following her tragic death in an automobile accident. _____
10. This American author, and activist was robbed of her senses of sight and hearing at the age of 19 months. Despite these hardships, she learned to communicate through the use of signs and went on to become an advocate for people with disabilities. _____

Fair Ladies

Set 1
(2010)

A



B



C



D



E



F



G



H



I



J



SCI 2. Convert to milligrams the mass of a .8 gram ball of clay.

Answer: 800 (mg)

ECON 3. Identify the two-word economic term from your glossary that refers to expenditures in excess of revenues, particularly government expenditures in excess of tax revenue.

Answer: budget deficit

MATH 4. According to the US Department of Agriculture, the mean annual soda consumption is 401 cans per person. Determine the number of whole cases of soda purchased each year per person given that each case contains 24 cans of soda.

Answer: 17

ENG 5. Which one of the following four terms does not mean to infer?

1. surmise
2. guess
3. speculate
- * 4. enhance

SS 6. Unscramble the following eight letters to form a social studies term.

T, W, O, M, B, O, O, N

Answer: boomtown

MATH 7. Which one of the following two integers has the greater absolute value: -42 or 29 ?

Answer: -42

GEOG 8. Fill in the blank with the missing geography term. A river or stream that flows into a larger river is known as a (blank).

Answer: tributary

SCI 9. Identify Louis Pasteur's theory which states that living things can only come from living things.

Answer: biogenesis

ENG 10. Match each of the following three parts of speech to its definition.

	<u>Parts of Speech</u>	<u>Definitions</u>
A.	adjective	1. word indicating location, possession, and direction
B.	adverb	2. word indicating manner, time, place or degree
C.	preposition	3. word that describes a noun

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

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.

GEOG 11. Which one or ones of the following four Great Lakes do not lie entirely in the US?

- * 1. Superior
- 2. Michigan
- * 3. Erie
- * 4. Huron

ENG 12. Identify respectively the following four as primary or secondary sources of research.

- 1. video recording
- 2. encyclopedia
- 3. diary
- 4. dictionary

Answer: 1. primary; 2. secondary; 3. primary; 4. secondary

(Source: PCSB Curriculum Map – October)

MATH 13. An elephant sleeps approximately 15% of each day. To the nearest tenth, determine how many hours a day the elephant sleeps.

Answer: 3.6 (hours)

ECON 14. Identify respectively each of the following four costs as variable or fixed as they relate to a furniture building business.

1. electricity
2. wood and upholstery material
3. shop rent
4. hourly paid carpenters

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

SCI 15. Identify the eight-letter scientific term defined as an organism that makes its own food.

Answer: producer

ENG 16. Complete the following analogy using one of the four given choices.

Philanthropist is to donation as (blank).

1. hypothesis is to theory.
2. coach is to team.
- * 3. volunteer is to time.
4. benefactor is to anonymous.

MATH 17. Temperatures in Antarctica range from a low of negative 128°F to a high of 58°F. In degrees Fahrenheit state the range in temperature.

Answer: 186 (° F)

ECON 18. Which one or ones of the following four economic factors are most likely to promote economic growth?

1. monopolies
- * 2. competitive markets
3. quota
- * 4. entrepreneurship

SCI 19. In which one of the following four phases of mitosis do the chromatid pairs line up in the center of the cell?

1. anaphase
- * 2. metaphase
3. interphase
4. telophase

GEOG 20. Which one or ones of the following four are natural vegetation zones found in the US and Canada?

- * 1. Forests
- * 2. Tundra
- * 3. Desert Scrub
- * 4. Grassland

(Source: PH 7th Grade, US and Canada, Ch. 1)

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.

MATH 21. You and three friends go to lunch and split the bill evenly. To the nearest cent, calculate The amount each will pay if the total bill is \$35.75 and you include a 15% tip.

Answer: \$10.28

ENG 22. A new store by the name of Charlie's Chocolates and Chips just opened down the street from our house. This store name is an example of what literary device?

Answer: alliteration

SS 23. Identify this specific type of tourism described as travel to unspoiled areas in order to observe wildlife and learn about the environment.

Answer: ecotourism

SCI 24. Identify the two main groups into which all living cells can be separated.

Answer: prokaryotic; eukaryotic (either order)

(Source: Glencoe, Life Science 7th Grade, p. 39)

ECON 25. Which one or ones of the following four given choices completes the following statement?

Fiscal policy consists of government decisions on (blank).

- 1. production.
- * 2. spending.
- * 3. taxation.
- 4. money supply.

ENG 26. Which one of the following four poems was written by Robert Frost?

1. "A Psalm of Life"
- * 2. "The Road Not Taken"
3. "Life is Fine"
4. "A Song of Greatness"

ECON 27. Match each of the four economic terms to its definition.

<u>Terms</u>	<u>Definitions</u>
A. dissave	1. stocks and bonds collectively
B. input	2. resources used to produce a good or service
C. premium	3. spend more than one's current income in any period of time
D. securities	4. amount paid to purchase insurance protection

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

SCI 28. State and spell the following scrambled two-word life science term associated with classification of living organisms.

First Word: A M I B O I L N
Second Word: A R C N L E M N E U T O

Answer: b-i-n-o-m-i-a-l n-o-m-e-n-c-l-a-t-u-r-e

MATH 29. State in degrees the measure of angle C of a certain triangle given that the complement of angle A measures 58° and the supplement of angle B measures 60°

Answer: 28°

ECON 30. Spell the economic term from your glossary defined as a period in which the economy is experiencing both high unemployment and high inflation.

Answer: s-t-a-g-f-l-a-t-i-o-n

End of 15-point round for 7th grade.

It is time for the 30-point team question.

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 entitled "Wicked".

This team question is worth a total of 30 points, and each question is worth 3 points.

In the envelope are four copies of Handout 7-1-1 and one answer sheet. You will be given 4 minutes to complete the handout. Remember to write your team number on the answer sheet to be collected and scored.

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

Time 4 minutes.

STOP! Hold your team answer sheet in the air to be collected.

Read answers: (three points each)

1. (Adolph) Hitler
2. 312
3. monopoly
4. Swine Flu
5. parasites
6. black
7. Apartheid
8. acid rain (accept: acid precipitation)
9. 64,000,000
10. A-4, B-1, C-2, D-3

Announce scores from the team question.

Ask if there are any questions concerning the scoring.

Announce the FIVE-minute break during which the 8th grade team is seated. This is the restroom break for students, coaches, and observers. Have the judges turn over their question sets. (Collect handouts and put out fresh paper and pencils on tables.)

Time 5 minutes.

Conduct a button and calculator check after the break.

Announce cumulative scores.

Begin the 5-point question round for 8th grade.

- SS** 1. Unscramble the following 10 letters to form a social studies term meaning information, ideas, or rumors deliberately spread widely to help or harm a person, group, movement, or nation.

P, N, A, G, A, R, P, D, A O

Answer: propaganda

- SCI** 2. Fill in the blank in the following equation with the missing science term:

Mechanical energy equals (blank) energy plus kinetic energy.

Answer: potential

Handout 7-1-1

WICKED

1. Identify this dictator of Germany and leader of the Nazi party responsible for murdering thousands of Jewish men, women, and children.
2. An evil sorcerer casts a spell on 60% of all the frogs in the land. How many frogs will be effected given that there were 520 frogs?
3. Identify the dastardly type of market structure where one business or individual controls the entire supply of a good or service for which there are no close substitutes.
4. Give the common name for the wicked H1N1 virus.
5. Evil roundworms are _____ that rob nutrients from their hosts.
6. Villainous characters are often portrayed wearing this color to indicate their evil nature and set them apart from the other characters in the work.
7. Identify the evil system of legal racial segregation enforced by the National Party government in South Africa between 1948 and early 1994.
8. Sulfur and nitrogen oxides are the pollutants that cause this wicked precipitation.
9. In a laboratory experiment, a wicked bacterium is growing at the rate of 6.4×10^7 bacteria per hour. Give this number in standard form.
10. Match each of the four villains to the Disney movie in which they appear.

Villians

- A. Ursula
- B. Lady Tremaine
- C. Scar
- D. Queen Nerissa

Disney Movies

- 1. Cinderella
- 2. The Lion King
- 3. Enchanted
- 4. The Little Mermaid

Handout 7-1-1
Team # _____

WICKED

Answer Sheet

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



ENG 3. Which one or ones of the following four are forms of poetry?

- * 1. ballad
- * 2. sonnet
- * 3. lyric
- * 4. narrative

MATH 4. Fill in the blank with the missing mathematics term. The slope of a (blank) line is undefined.

Answer: vertical (Source: PH Math Course 3, p. 138)

SS 5. Fill in the blank. (Blank) is a government order prohibiting the movement of merchant ships into or out of its ports.

Answer: Embargo

ECON 6. Which one of the following three is a tax based on the ability-to-pay principle?

- 1. social security tax
- 2. sales tax
- * 3. personal income tax

ENG 7. Letter scramble. Unscramble the following eight letters to form a literary term meaning a struggle between opposing forces.

L, C, T, N, O, F, I, C

Answer: conflict

MATH 8. Identify the new coordinates of point N located at (1, 5) on a coordinate plane, when translated right 3 units and up 7 units.

Answer: (4, 12)

ECON 9. Match each of the four economic terms to its definition.

<u>Terms</u>	<u>Definitions</u>
A. sale	1. written order to a bank
B. depreciation	2. annual decline in the value of something
C. loss	3. transfer of ownership rights or title to property or goods and services
D. check	4. negative difference between cost and sale price

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

- SCI** 10. Fill in the blank with the missing science term. The process in which thermal energy is transferred by the flow of a fluid, such as air or water, is called (blank).

Answer: convection

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.

- ENG** 11. Fill in respectively the blank in each of the following four sentences using who or whom.

1. With (blank) did Paige say she was going?
2. Bailey doesn't know (blank) will lead the parade.
3. George Washington is a person about (blank) much has been written.
4. From (blank) did you get your invitation to the party?

Answer: 1. whom; 2. who; 3. whom; 4. whom

- SS** 12. State in alphabetical order the surnames of the US presidents in office at the time of the following three events: Operation Desert Storm; the fall of the Berlin Wall; the Whitewater controversy.

Answer: Bush, Clinton, Reagan

- ECON** 13. Identify the two-word economic term from your glossary defined as a model of an economy showing the interactions between households and businesses as they exchange goods and services and resources in markets.

Answer: circular flow

- ENG** 14. Match each of the four literary terms to its meaning.

<u>Terms</u>	<u>Meanings</u>
A. analogy	1. word that expresses strong feelings
B. conjunction	2. group of lines in a poem
C. stanza	3. logical relationship between pairs of words
D. interjection	4. word joining sentences, clauses, phrases or other words

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

SCI 15. To the nearest tenth determine the weight of an astronaut standing on the moon if his weight on earth is 190 pounds.

Answer: 31.7 (do not accept 31.6)

MATH 16. Find the three consecutive integers whose sum is negative 255.

Answer: -86, -85, -84

SS 17. Identify the primary political system of the Middle Ages which was based on the holding of lands in fiefs.

Answer: Feudalism

SCI 18. Which one of the four types of matter does a lightning bolt represent?

Answer: plasma

MATH 19. Solve for x in the following inequality $-5x - 2 > -12$.

Answer: $x < 2$ (x is less than 2) (Source: PH Course 3 p. 104)

ECON 20. Identify the economic term defined in your glossary as a decrease in the general level of prices which causes an increase in the purchasing power of money.

Answer: deflation

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.

SCI 21. Using the kinetic energy formula $KE = \frac{1}{2} mv^2$ calculate the mass in kilograms of a bus moving at a speed of 40 meters per second with a kinetic energy of 600,000 joules.

Answer: 750 (kg)

ECON 22. Complete the following statement using one of the three given choices. Federal income taxes are examples of...

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

MATH 23. Carly has one more math test to take. She has earned the scores of 89, 92, 78, 83, and 83 on the tests she has taken. What score must she get on the final test to receive a mean score of 87?

Answer: 97

ENG 24. Identify respectively each of the three literary terms beginning with the letter A from the following descriptions.

1. figure of speech which makes brief reference to a literary or historical figure, event, or object
2. use of repetitive initial or beginning consonant sounds
4. person or persons who read or listen to what the writer or speaker says

Answer: 1. allusion; 2. alliteration; 3. audience

ECON 25. Identify the three-word economic term from your glossary defined as the distribution of the available factors of production among the various uses to which they might be put.

Answer: allocation of resources

SCI 26. Match each of Newton's three laws of motion to its description.

<u>Laws</u>	<u>Description</u>
A. first law	1. recoil of a rifle
B. second law	2. tennis racket hitting a ball
C. third law	3. passenger in a braking car

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

ECON 27. Match each of the three economic acronyms to its definition.

<u>Acronym</u>	<u>Definitions</u>
A. FTC	1. federal government agency charged with maintaining fair competition
B. FDIC	2. law that provides for deductions to be taken from the wages of citizens and invested by the government to pay Social Security benefits
C. FICA	3. federal government agency that insures bank depositors' accounts

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

SS 28. Identify the ancient trade route between China and the Mediterranean Sea which served as an important path for cultural exchange between traders, merchants and soldiers for almost 3,000 years.

Answer: Silk Road (accept: Silk Routes)

ENG 29. Identify respectively each of the following four sentences as simple, complex, or compound.

1. Chopped meat now accounts for about thirty percent of all meat sales.
2. The idea of placing meat on a bun, however, came from the United States.
3. When the hamburger first arrived in the United States, it was eaten raw.
4. Today the hot dog is not as popular, but the hamburger is on the rise.

Answer: 1. simple; 2. simple; 3. complex; 4. compound

For the next question you will need this information. Jose is setting up a booth to sell flags before the local high school football game. He has spent \$30.00 on decorations and supplies. He paid \$2.00 each for the flags he plans to sell to his customers for \$3.50 each.

MATH 30. Identify the number of flags Jose will need to sell to reach the break-even point in his business venture.

Answer: 20 (flags) (Note: \$70)

End of 15-point round for 8th grade.

It is time for the 30-point team question entitled “Avenue Q”. For this 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.)

Handout 8-1-1 contains 4 copies of the handout. Write your answers on one handout to be collected and scored. This team question is worth a total of 30 points, and each question is worth 1 point.

You will be given 4 minutes to complete the handouts. Remember to write your team number on one handout to be collected and scored. We suggest the team member with the best handwriting complete the handout that will be scored by the judges.

Open the envelopes, distribute, and begin.

Time 4 minutes.

STOP! Hold your answer sheet in the air.

Read answers: (three points each)

- | | | |
|-------|--------|--------|
| 1. O | 11. H | 21. L |
| 2. V | 12. B | 22. Q |
| 3. BB | 13. C | 23. DD |
| 4. Z | 14. I | 24. A |
| 5. U | 15. D | 25. P |
| 6. W | 16. G | 26. R |
| 7. AA | 17. EE | 27. M |
| 8. X | 18. CC | 28. K |
| 9. T | 19. F | 29. N |
| 10. S | 20. E | 30. J |

Announce scores from the team question. Ask if there are any questions concerning the scoring.

TEAMS MUST REMAIN SEATED WHILE FINAL SCORES ARE TALLIED.

[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.

Handout 8-1-1
Team # _____

Avenue Q

- | | | | | |
|-------|-----|---------------|-----|--|
| _____ | 1. | Quantitative | A. | angry dispute or altercation |
| _____ | 2. | Quote | B. | female sovereign |
| _____ | 3. | Quiver | C. | answer to a division problem |
| _____ | 4. | Quill | D. | the amount of a product |
| _____ | 5. | Quebec | E. | multiply by 4 |
| _____ | 6. | Quarantine | F. | state of perplexity or uncertainty |
| _____ | 7. | Quaker | G. | one fourth of a gallon |
| _____ | 8. | Quartz | H. | quagmire of soft, muddy sediment |
| _____ | 9. | Quadrant | I. | a stanza or poem with four lines |
| _____ | 10. | Quadriceps | J. | proportional part or share of a fixed amount |
| _____ | 11. | Quicksand | K. | coin on which George Washington is pictured |
| _____ | 12. | Queen | L. | having some but not all features of something |
| _____ | 13. | Quotient | M. | having old fashioned attractiveness or charm |
| _____ | 14. | Quatrain | N. | water soluble alkaloid used to treat malaria |
| _____ | 15. | Quantity | O. | observation using numbers and measurement |
| _____ | 16. | Quart | P. | a search |
| _____ | 17. | Quiz | Q. | four-sided polygon |
| _____ | 18. | Quark | R. | distant object in space emitting massive amounts of light |
| _____ | 19. | Quandary | S. | four part muscle at the front of the thigh |
| _____ | 20. | Quadruple | T. | one of four areas into which a Coordinate plane is divided |
| _____ | 21. | Quasi | U. | province of Canada |
| _____ | 22. | Quadrilateral | V. | to repeat words from a book or author |
| _____ | 23. | Quiche | W. | isolation to contain the spread of viral diseases |
| _____ | 24. | Quarrel | X. | most common mineral on Earth's surface |
| _____ | 25. | Quest | Z. | large feather in a wing or tail of a bird |
| _____ | 26. | Quasar | AA. | member of the Religious Society of Friends |
| _____ | 27. | Quaint | BB. | case for holding or carrying arrows |
| _____ | 28. | Quarter | CC. | elemental particle; fundamental constituent of matter |
| _____ | 29. | Quinine | DD. | rich unsweetened custard pie usually containing cheese |
| _____ | 30. | Quota | EE. | brief test |