

Summer Enrichment
English Language Arts

Dear 5-8th grade students/families,

Over the course of your summer activities, I hope you take time to regroup, refresh, and relax. This is essential for success so that your brain, body, and mind are all on the same page when we get back into the classroom in August.

However, it is also a valuable time for relaxed, casual, interest-based learning. That is where your summer enrichment will come in...

What you will have to do for ELA over the summer...

- **Choose one book of choice to read**
 - Fill out book questions, relating to the book you chose (see next page)

- **Complete Free Writes** (directions on the next page)
(These are to be completed either on looseleaf and stapled together OR in your ELA composition book that you will need for next school year)
 - Upcoming 5th graders (please see the next page for guidelines)
 - 2 free writes
 - Upcoming 6th graders
 - 3 free writes
 - Upcoming 7th graders
 - 5 free writes
 - Upcoming 8th graders
 - 6 free writes

These enrichment activities are not meant to be a burden on your summer, rather I invite you to see them as an exploration of your interests. Only choose a book that you enjoy based on your personal interests. As for the free writes, only write about topics that matter to you. We will share these assignments during the first week of school, so being prepared for this shows me a lot about you!

Happy reading and writing,

Ms. Bauer

Free Write Rules:

- You must write for 10 minutes straight
- You can write just about anything you want
- If you are doing a creative writing entry



(Ex: poetry, songs, letters, speeches, lists, you still must write for ten minutes.

- You may switch topics in the middle of your write
- Please reference the following links for sample writing prompts (You do not need to choose one below, but they are here to help draw inspiration for writes)
 - <https://thinkwritten.com/365-creative-writing-prompts/>
 - <https://dailypost.files.wordpress.com/2013/12/365-days-of-writing-prompts-1387477491.pdf>

Summer Reading Book Thoughts

Your Name:

Book title:

Author:

What genre does your book belong to? (Fiction, non-fiction, mystery, romance):

Please answer the following questions in 1-2 paragraphs. You may write on the back of this paper (neat handwriting please!) These will be shared out loud at the start of the 2018-2019 school year through a discussion circle.

- Why did you choose your book?
- Did you like it or dislike it? Why or why not?
- How did you feel when you were reading it?
 - Ex: "At times, I felt nervous during the mystery novel because many scenes gave hints, but never told me who the murderer was!"
- How do you feel about reading? Like, dislike, neutral?

Name: _____

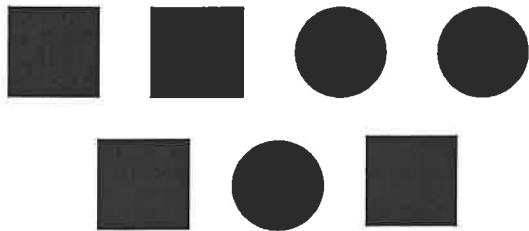
Turn into your math teacher
on the first day of school.

This is for a
grade.

7th GRADE SUMMER MATH REVIEW PACKET

Make sure you
SHOW ALL YOUR WORK.

Each question is worth 2 points.



The ratio of squares to circles is _____.

The ratio of circles to squares is _____.

Last year the girls' basketball team had 8 5th graders and 7 6th graders. What was the ratio of 6th to 5th graders?

- a) 8 : 15
- b) 8 : 7
- c) 7 : 8
- d) 15 : 8

For every _____ teachers with blonde hair,
there are _____ teachers with other colored
hair.

Hair Color	Number of Teachers
Red	3
Brown	12
Black	16
Grey	8
Blonde	20

Katie has 4 grape candies and 3 cherry candies. The ratio of the number of grape candies to the total number of candies is what?

In math class, the girl to boy ratio is 8 to 6. If there are 24 girls in the class, how many boys are there?

- a) 20
- b) 30
- c) 18
- d) 16

John runs 15 miles in 3 hours. How many miles can John run per hour?

4 pairs of shoes cost \$80. What is the cost of 7 pairs of shoes?

- a) \$130
- b) \$150
- c) \$145
- d) \$140

At the supermarket, 6 mangoes cost \$6.12. What is the cost of 8 mangoes?

Asparagus Sales

Number of pounds	Total sales
4	\$10
6	\$15
8	\$20
10	?
12	?

If the unit rate is constant, what are the total sales for 12 pounds of asparagus?

- a) \$22.50
- b) \$25
- c) \$30
- d) \$32.50

In Ms. Perron's class, 75% of the students are boys. There are 18 boys in the class. What is the total number of students in Ms. Perron's class?

- a) 6
- b) 14
- c) 24
- d) 57

Which ratio is the simplest form of 68 : 84?

- a) 2:3
- b) 17:21
- c) 34:42
- d) 21:17

Complete the table:

Number of Black Keys	Number of White Keys	Total Number of Keys
5	7	12
	35	
		240

$$\frac{6}{3} \div \frac{2}{4} = ?$$

John has 12 pounds of dog food and is going to separate it into $\frac{3}{4}$ pound portions. How many portions of dog food will he have?

- a) 3
- b) 4
- c) 8
- d) 9
- e) 16

$$3 \frac{1}{3} \div \frac{2}{3} = ?$$

Maya decided to paint some of the rooms in her hotel. She found out that a room required $\frac{3}{2}$ cans of paint. If Maya buys 9 cans of paint, how many rooms can she paint?

What is the quotient of 11.25 divided by 2.5?

- a) 0.405
- b) 0.450
- c) 4.050
- d) 4.500

$$1274 \div 14 = ?$$

Select all the prime numbers in the following list:

- a) 2
- b) 7
- c) 19
- d) 27
- e) 39
- f) 51

$$4.53 + 7.12 = ?$$

$$10 - 3.587 = ?$$

$$5.64 - 3.19 = ?$$

$$6.89 + 3.55 - 1.67 = ?$$

$7.84 \times 12.9 = ?$

$6.7 \times 0.54 = ?$

a) 3.618

b) 36.18

c) 6.63

d) 6.16

$1.36 \div 0.08 = ?$

What is the greatest common factor of 24 and 40?

a) 8

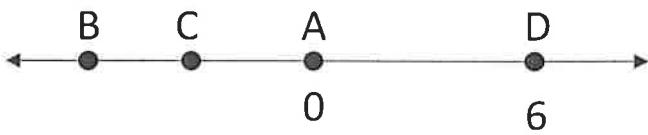
b) 20

c) 16

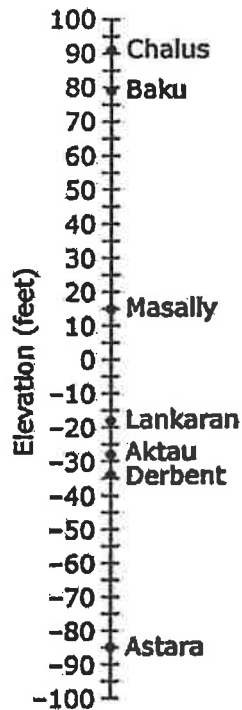
d) 14

List all the factors of 36 in order from least to greatest.

Find the first five multiples of the number 5.

<p>What is the least common multiple of 6 and 8?</p> <p>a) 24</p> <p>b) 1</p> <p>c) 32</p> <p>d) 28</p>	<p>Determine if the following have a positive or negative value and what the value is.</p> <p>a) 10 degrees below zero</p> <p>b) 10 feet above sea level</p> <p>c) A withdrawal of 27 dollars</p> <p>d) An increase in 27 customers</p> <p>e) 1 loss of 8 pounds</p> <p>f) A bonus of 8 points</p>
<p>Write the opposite of each number.</p> <p>a) 47</p> <p>b) -33</p> <p>c) 243</p> <p>d) -907</p> <p>e) 88</p>	<p>An eagle is flying 30 feet above sea level and spots a fish swimming 2 feet below sea level. What does zero represent in this situation?</p> <p>a) The height of the eagle</p> <p>b) The ocean floor</p> <p>c) Sea level</p> <p>d) The depth of the swimming fish</p>
<p>Denver, Colorado is called "The Mile High City" because its elevations is 5,280 feet above sea level. The elevation of Death Valley, California is -282. Which of the following is a correct statement? Select all that apply.</p> <p>a) Death Valley, California is 282 feet above sea level.</p> <p>b) The elevation when standing at the ocean would be 282 feet.</p> <p>c) Death Valley, California is 282 feet below sea level.</p> <p>d) An elevation of 0 feet would mean standing at sea level.</p> <p>e) The elevation of "The Mile High City" can be written as -5280 feet.</p>	<p>Which point represents the opposite of 6 on the number line?</p>  <p>a) A</p> <p>b) B</p> <p>c) C</p> <p>d) D</p>

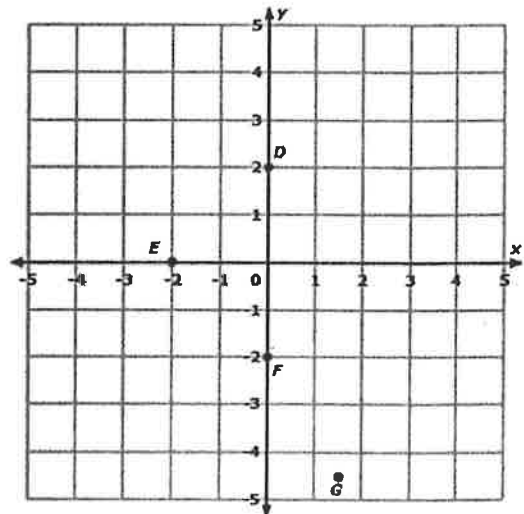
The number line below represents the elevation, in feet, of seven cities around the Caspian Sea in Asia. The sea level is 0 feet. Which of these cities have an elevation that is more than 75 feet away from sea level? Select all that apply.



- a) Chalus
- b) Baku
- c) Masally
- d) Lankaran
- e) Aktau
- f) Derbent
- g) Astara

What is the value of $|-5|$?

Which point is at $(-2, 0)$?



Determine which quadrant all these points would fall into.

- $(-3, 7)$
- $(-2, -2)$
- $(3, -7)$
- $(1,)$
- $(-6, -11)$
- $(-6, 4)$

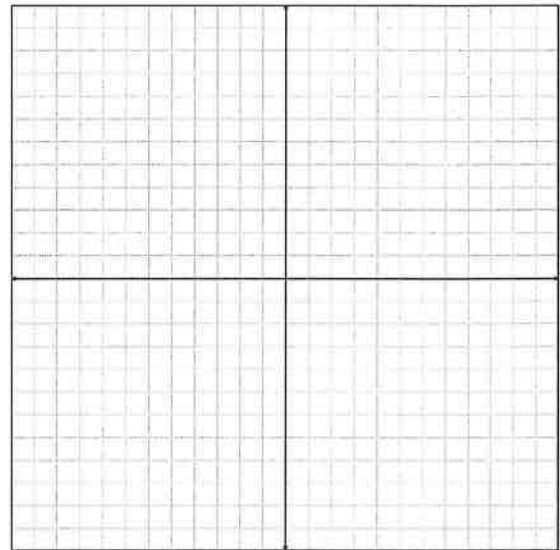
Find the distance between $(5, 10)$ and $(8, 10)$.

The point (3, 9) lies in which quadrant?

- a) I
- b) II
- c) III
- d) IV

Graph the following points in a coordinate plane:

(1, 2), (2, -2), (3, 1), (-2, 1), (-3, -2), (1, 1)



Place the following numbers on a number line:

0.6, -1.2, 1.1, -0.5, -1.7



Order from least to greatest:

-41, -51, -38, 50, 41, and 13

Compare using $<$, $>$, or $=$.

$|-10|$ _____ $|-22|$

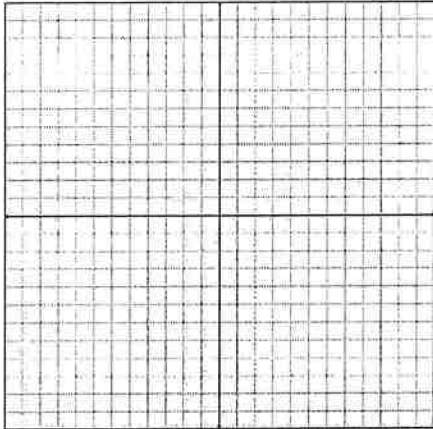
$|-15|$ _____ $|11|$

$|-54|$ _____ $|45|$

$|432|$ _____ $|-324|$

Graph the following points:

- A (-4, 0)
- B (-10, 3)
- C (-10, -3)



Which of the following expressions is equivalent to $8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8$?

- a) 8^4
- b) 8^6
- c) 6^8
- d) 8×6
- e) 5^8

$$3^4 + 9 = ?$$

- a) 21
- b) 39
- c) 43
- d) 90

$$(4 \times 5)^2 - 6 + 3 = ?$$

$$5^3 = ?$$

- a) 48
- b) 79
- c) 138
- d) 888

What is the value of the expression below when $z = 7$?

$$3z - 3$$

- a) 12
- b) 18
- c) 21
- d) 34

<p>Solve for when $x = 2$ and $y = 4$.</p> <p>$3x + 2y + 4 = ?$</p>	<p>Write an expression that matches the following:</p> <p>Two less than the product of five and a number x</p>
<p>Which expression is equivalent to $8x - 2y + x + x$?</p> <p>a) $4x$</p> <p>b) $8x$</p> <p>c) $6x - 2y$</p> <p>d) $10x - 2y$</p>	<p>Which expression is equivalent to $16a + 24b$?</p> <p>a) $4(4a + 20b)$</p> <p>b) $8(2a + 3b)$</p> <p>c) $4a(4 + 6b)$</p> <p>d) $8ab(2 + 3)$</p>
<p>Which expression is equivalent to $3(4h + 2k)$?</p> <p>a) $3(4k + 2h)$</p> <p>b) $2(6h + 3k)$</p> <p>c) $3(2k + 4h)$</p> <p>d) $12h + 6k$</p>	<p>Which expression is equivalent to $5(d + 1)$?</p> <p>a) $5d + 5$</p> <p>b) $5d + 1$</p> <p>c) $d + 5$</p> <p>d) $d + 6$</p>

Ms. Peterson wrote the expression below on the chalkboard for her class. She asked the students to write an equivalent expression using no more than one set of parentheses.

$$4(3x + 5y + 2z) + 3(x - z)$$

Tom wrote $12x + 20y + 8z$.

Jenna wrote $5(3x + 4y + z)$.

Chris wrote $15x + 20y - 5z$.

Which, if any, of the three students wrote an expression that is equivalent to Ms. Peterson's expression?

True or False: $3(2f + g + 4)$ is equivalent to $6f + 3g + 12$.

Which equation is true when $n = 4$?

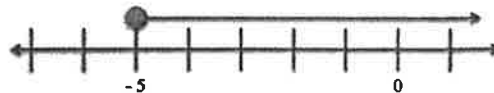
a) $2n = 6$

b) $N + 3 = 7$

c) $9 - n = 13$

d) $n/12 = 3$

Which inequality statement matches the graph? What numbers would be a part of the solution? Select all that apply.



- a) $m > -5$
- b) $m \geq -5$
- c) $m < -5$
- d) $m \leq -5$
- e) -5
- f) -8
- g) 0
- h) 3

Which numbers make the statement true?

$$4m + 8 = 36$$

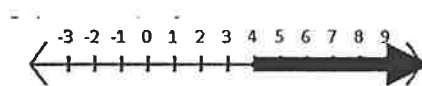
a) 1

b) 7

c) 11

d) 36

The graph of an inequality is shown. Write the inequality.



<p>Mimi has 16 more bouncy balls than Leah. Leah has b bouncy balls. Choose the expression that shows how many bouncy balls Mimi has.</p> <p>a) $b - 16$</p> <p>b) $b + 16$</p> <p>c) b</p> <p>d) $16 - b$</p>	<p>Which situation can be represented by the expression $1.3x$?</p> <p>a) The total cost of an item that is x dollars more than \$1.30</p> <p>b) The area of a rectangle with side lengths 1.3 and x</p> <p>c) The amount of change when \$1.30 is used to pay for an item costing x dollars</p> <p>d) The number of square feet in each lot when 1.3 acres is partitioned into x equal sections.</p>
<p>Solve for q:</p> $30 + q = 43$	<p>Solve for x:</p> $x - 11 = 28$
<p>Paul bought a package of 6 spiral notebooks for a total cost of \$13.50. Which equation represents p, the cost, in dollars, of each notebook?</p> <p>a) $p = 13.50 - 6$</p> <p>b) $p = 13.50 \times 6$</p> <p>c) $p = 13.50 + 6$</p> <p>d) $p = 13.50 \div 6$</p>	<p>Solve for p:</p> $8 = \frac{p}{7}$

Which word problem or inequality could have a solution represented by the number line. Select all that apply.



- a) Christopher has read for more than 32 minutes.
- b) Christopher has read for less than 32 minutes.
- c) Christopher has read for 32 minutes.
- d) $x < 32$
- e) $x > 32$
- f) $x = 32$

Which of these situations can be modeled by the inequality $x < 250$?

- a) An auditorium's seating capacity, x , is at most 250 people.
- b) The distance, x , that Fred needs to travel each day is at least 250 miles.
- c) The number of people, x , who attended the conference was fewer than 250.
- d) The temperature, x , required to melt a certain container inside an oven is more than 250.

A ball is dropped from different heights. Using the data from the table, which equation can be used to find y , the height of the first bounce, in inches, when the ball is dropped from a height of x inches?

Bouncing Ball Experiment.

Height of Drop (In inches)	Height of Bounce (In Inches)
10	5
20	10
30	15

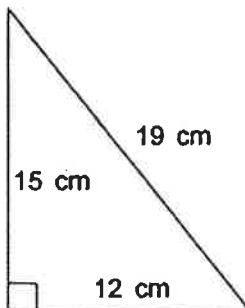
- a) $y=2x$
- b) $y = x/2$
- c) $y=5x$
- d) $y=x/5$

Which equation best represents the relationship between x and y ?

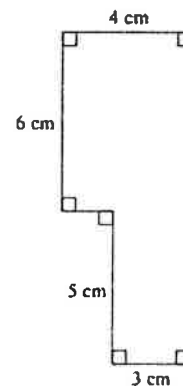
x	0	4	8
y	2	10	18

- a) $y = x + 2$
- b) $y = 2x$
- c) $y = 5x + 1$
- d) $y = 2x + 2$

Find the area.

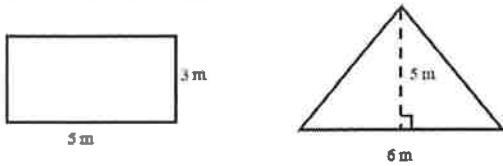


Find the area.



- a) 39 cm^2
- b) 40 cm^2
- c) 30 cm^2
- d) 44 cm^2

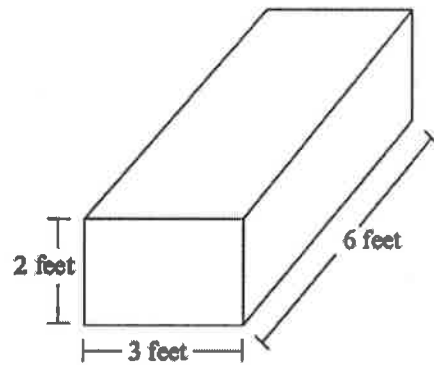
Consider the figures below. Select all correct statements.



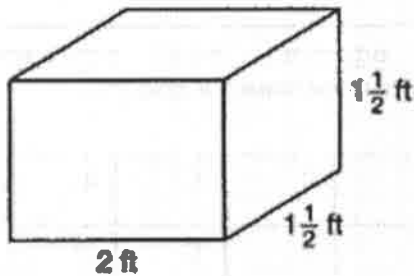
Figures are not drawn to scale.

- a) The area of both figures are equal.
- b) The area of the rectangle is 15 m^2 .
- c) The area of the triangle is 30 m^2 .
- d) The are of the triangle is greater than the area of the rectangle.

Find the volume.

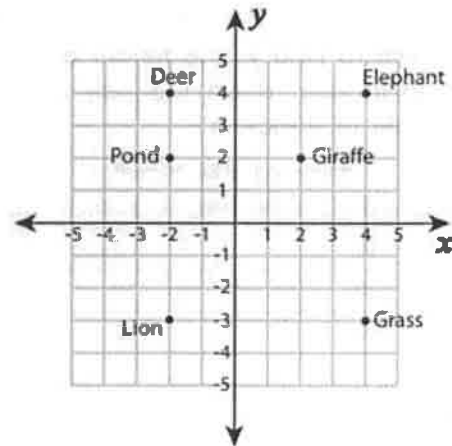


Find the volume.

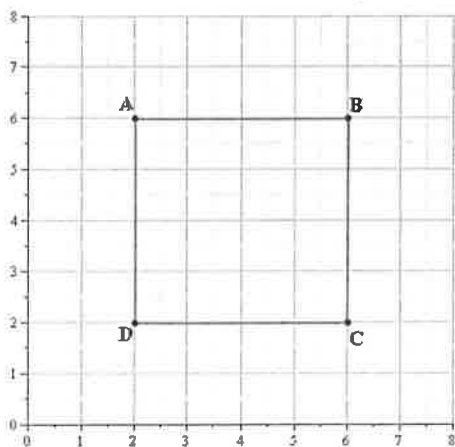


- a) 4.5 ft^3
- b) 5.5 ft^3
- c) 6.5 ft^3
- d) 7.5 ft^3

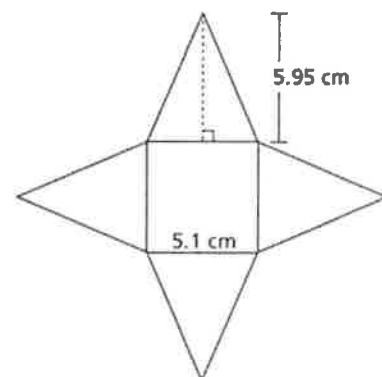
How far is the elephant away from the grass in the graph?



Find the perimeter of the square.

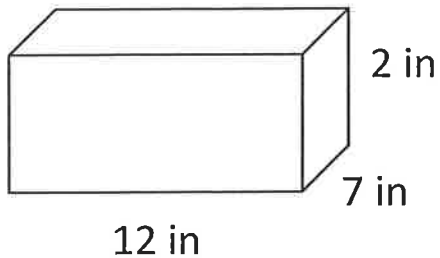


What is the surface area, in square centimeters, of the pyramid?



- a) 60.7
- b) 86.7
- c) 121.4
- d) 147.4

What is the surface area of the rectangular prism, in square inches?



- a) 79
- b) 128
- c) 244
- d) 256

Which questions are statistical questions?

- a) How old is Mr. Patterson?
- b) How many states has Juanita visited?
- c) How many students are in Mrs. Lee's class today?
- d) How many students eat lunch in the cafeteria each day?
- e) How many pets does each student at your school have at home?

Which of the following is a statistical question?

- a) How many cats do you own?
- b) How old is your cat?
- c) How old is a cat in a shelter?
- d) What percentage of people like cats?
- e) What is the name of your cat?

Identify the statistical question(s).

- a) Do men live longer than women?
- b) How long do people live?
- c) How long did Abraham Lincoln live?

Find the median.

3, 31, 37, 56, 61, 57, 62

Find the arithmetic mean.

3, 5, 6, 2, 9

Find the mode.

9, 7, 98, 97, 7, 97, 7

Find the median.

79, 27, 24, 11, 14, 11

Find the mean.

14, 17, 21, 28, 40

Riley took 5 tests in science. Each test had a different score. The mean score was 90%. The median score was 85%. Select two statements that must be true.

- a) More than half of the scores were 85% or greater.
- b) More than half of the scores were 90% or greater.
- c) There were no scores less than 85%.
- d) There were no scores less than 90%.
- e) At least one score was exactly 85%.
- f) At least one score was exactly 90%.

The lengths, in minutes, of the movies currently showing at a movie theater are shown in the data set. Create a histogram of the data.

89	98	109	123	123	125	125
128	130	135	137	140	143	143

What is the range?

7, 5, 9, 10, 1, 2, 2, 8

What is the mode?

67, 76, 67, 76, 67, 23, 32, 23, 32

Go back and double check your work.

Did you answer every question to the best of your ability?

Did you show work/your thinking for every question?

Bring to school on the first day and hand to your math teacher.