

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.

8th GRADE SUMMER MATH REVIEW PACKET

Make sure you
SHOW ALL YOUR WORK.

Each question is worth 2 points.

A six-pack of soda is on sale for \$2.46. What is the cost per can of soda?

Seth's family plans to drive 220 miles to their vacation spot. They would like to complete the drive in 4 hours. Find the average speed in miles per hour needed to make the trip happen in the desired time.

Bertha's chocolate factory is expanding. She wanted to know how many workers she needs to produce chocolate bars. The table below lists a certain number of workers and the corresponding amounts of chocolate bars they produce.

True or false: The relationship between the number of workers and the number of bars produced is proportional.

Workers	Bars
10	35
20	70
40	140
80	280
160	560

Four oranges at Juicy Deals grocery store cost \$6. For the price of \$15, you can buy 10 oranges. Is the relationship between the number of oranges and their price proportional?

You scored a 95% on your math quiz. The quiz was out of 60 points. How many points did you get?

- a) 59.05 points
- b) 55 points
- c) 58 points
- d) 57 points

Write the decimal as a percent: 0.065

- a) 65%
- b) 650%
- c) 6.5%
- d) 0.65%

$$8 - (-11) = ?$$

$$-5 + (-4) = ?$$

$$-2 - (-7) = ?$$

Fill in the blank:

$$-6 + \underline{\hspace{2cm}} = -8$$

Convert $\frac{3}{11}$ to a decimal.

- a) 0.27
- b) 0.7272
- c) 0.27272727272727...
- d) 0.727272...

$$7 \times (-8) = ?$$

$$-18 \div (-3) = ?$$

$$-\frac{3}{4} \times \frac{2}{5} = ?$$

Scientists determined that Antarctica's average winter temperature was -34.44°C . The difference between this temperature and Antarctica's highest recorded temperature was 49.44°C . What was Antarctica's highest recorded temperature?

- a) -83.88°C
- b) -15°C
- c) 15°C
- d) 83.88°C

The table shows prices for shoe rental, games, and snacks at the bowling alley. Gina rented shoes, bowled 3 games, and bought 1 order of nachos. She used a coupon for half off the price of her bowling games. What was Gina's total cost before tax was added?

BOWLING ALLEY PRICES

Item	Price
Shoe Rental	\$2.75
One game of bowling	\$2.50
Small soda	\$0.95
Large soda	\$1.50
Nachos	\$1.75

- a) \$5.75
- b) \$6
- c) \$8.25
- d) \$12

Simplify:

$$2(5 + 3x) + (x + 10)$$

Which expression is equivalent to $(7x - 5) - (3x - 2)$?

- a) $10x - 7$
- b) $10x - 3$
- c) $4x - 7$
- d) $4x - 3$

The population of a city is expected to increase by 7.5% next year. If p represents the current population, which

- a) $1.75p$
- b) $1.075p$
- c) $p + 0.075$
- d) $1 + 0.075$

Simplify: $2(x+6) + 3x + 4$

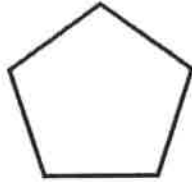
Simplify:

$$x + x + x + 2x + x =$$

$$(x + 2) + (x + 2) =$$

$$y + y + y + y + 10 + y + 1 =$$

On making a horizontal slice through the solid, the following two-dimensional shape is produced. Select the solid that will yield this shape.



A



B



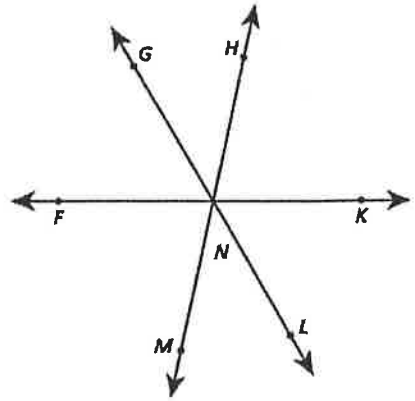
C



D



In the diagram, three lines intersect at N. The measure of $\angle GNF$ is 60° , and the measure of $\angle MNL$ is 47° . What is the measure of $\angle HNK$?



a) 47°

b) 60°

c) 73°

d) 107°

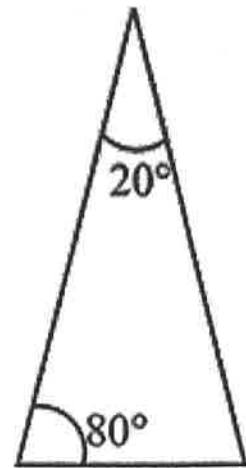
Find the missing angle.

a) 100°

b) 50°

c) 80°

d) 70°



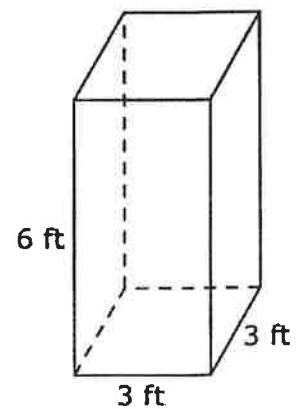
Find the surface area.

a) 12 ft^2

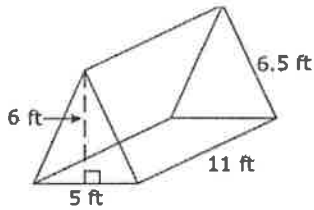
b) 36 ft^2

c) 54 ft^2

d) 90 ft^2



Find the volume.



- a) 165 ft^3
- b) 330 ft^3
- c) $1,073 \text{ ft}^3$
- d) $2,145 \text{ ft}^3$

There are 500 students at Jacob's school. Jacob wants to conduct a survey of the students at his school to determine the level of interest in participating in a musical. Which of the following is most likely to produce a representative sample of students' interest in participating in the musical?

- a) A survey of every fifth student to arrive at school one day.
- b) A survey of the first 100 students to arrive at school one day.
- c) A survey of the students in one randomly selected homeroom.
- d) A survey of the students who take theater classes and music classes.

Find the mean, median, mode, and range.

13, 18, 13, 14, 13, 16, 14, 21, 13

To select a new school mascot, 20 randomly selected students in each grade were asked to choose between the two finalists: tiger and eagle. The results are shown below.

PREFERRED MASCOT

Grade	Tiger	Eagle
5	14	6
6	13	7
7	8	12
8	5	15

Which statement is best supported by the results?

- a) The preferred mascot is a tiger.
- b) The preferred mascot is an eagle.
- c) Fifth and sixth grade students at the school preferred an eagle mascot.
- d) Seventh and eighth grade students at the school preferred an eagle mascot.

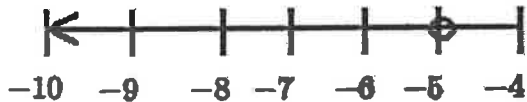
Evan has a summer job to pick berries on a farm. He earns \$2 every 15 minutes that he picks strawberries. He earns \$2.40 for every 15 minutes that he picks blueberries. He picked strawberries for an hour and blueberries for 45 minutes. How much money did Evan earn?

- a) \$4.40
- b) \$8.80
- c) \$15.20
- d) \$26.40

Craig went bowling with \$25 to spend. He rented shoes for \$5.25 and paid \$4 for each game. What was the greatest number of games Craig could have played?

- a) 4
- b) 5
- c) 6
- d) 7

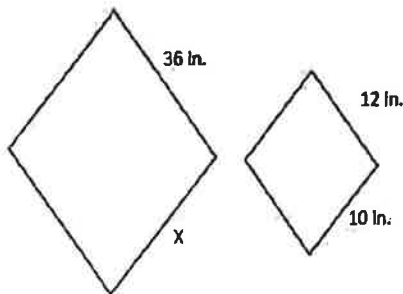
Determine the inequalities based on their graphs.



The scale of a model train is 1 in to 13.5 feet. One of the cars of the model train is 5 inches long. What is the length, in feet, of the actual train car?

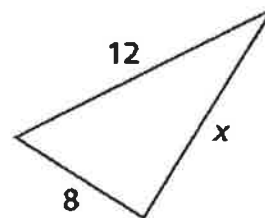
- a) 67.5
- b) 32.4
- c) 14.5
- d) 2.7

The two figures are proportional. Find the value of x .



- a) 12 in
- b) 24 in
- c) 30 in
- d) 40 in

Which number could not be a value of x ?



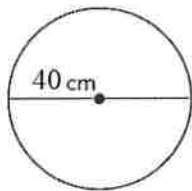
- a) 8
- b) 9
- c) 12
- d) 21

[Figure not drawn to scale]

True or false: A triangle can be drawn with angle measures of 60 degrees, 60 degrees, and 70 degrees.

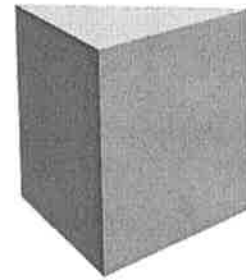
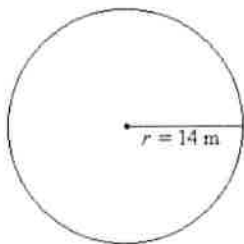
David has a triangular prism that has an equilateral base. Also, the base of the prism is of the same length as its height. Pick all the possible shapes that can be obtained either by horizontal or vertical slicing through the prism.

Find the circumference. Use 3.14 for π .

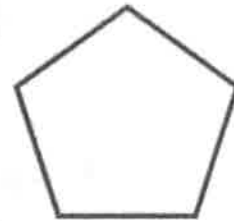


- a) 120 cm
- b) 100 cm
- c) 125.6 cm
- d) 40 cm

Find the area. Use 3.14 for π .



A



B



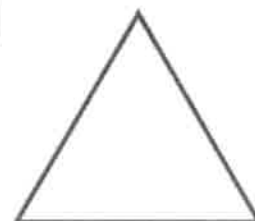
C



D



E



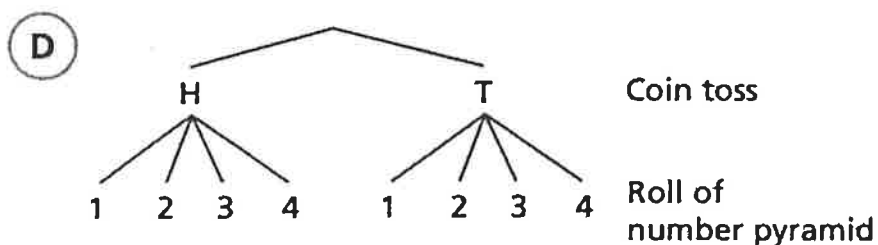
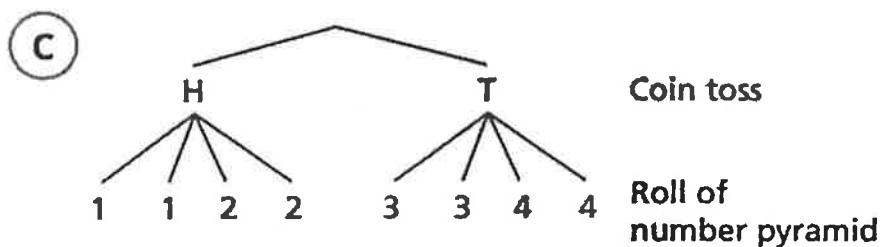
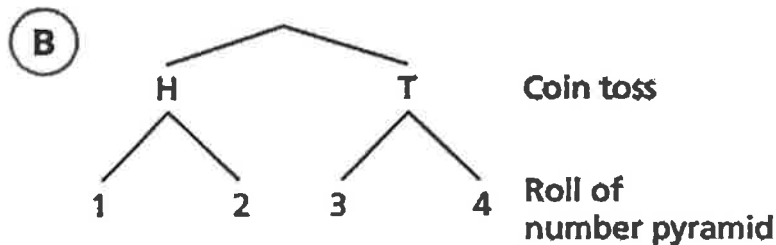
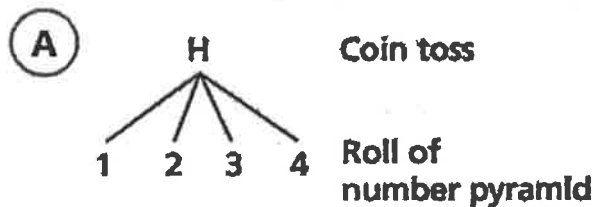
A grocery store has 12 carton of yogurt for sale, of which 3 are raspberry. What is the probability that a randomly selected carton of yogurt will be raspberry?

- a) $\frac{1}{2}$
- b) $\frac{1}{4}$
- c) $\frac{1}{3}$
- d) $\frac{4}{5}$

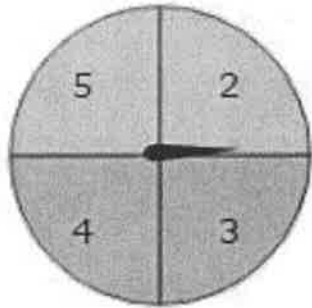
How many possible outcomes are possible if you choose from 6 ice cream flavors, 3 different size scoops, 2 toppings, and a waffle cone or a cup?

- a) 36
- b) 24
- c) 18
- d) 72

Which tree diagram shows all of the possible outcomes for tossing a coin and rolling a fair number pyramid that has four sides labeled 1 through 4?

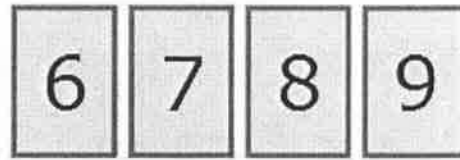


What is the probability of getting less than 5?



- a) 1
- b) $\frac{3}{4}$
- c) $\frac{1}{2}$
- d) 2

A card is picked at random from the following set. What is the probability of getting a 9? Write your answer as a percentage.



A store owner made a list of the number of greeting cards sold last month. The store sold 167 thank you cards, 285 birthday cards, and 56 blank cards. Based on these data, which number is closest to the probability that the next customer will buy a blank card?

- a) 0.11
- b) 0.33
- c) 0.56
- d) 0.89

An owner of a small store knows that in the last week 54 customers paid with cash, 42 paid with a debit card, and 153 paid with a credit card. Based on the number of customers from last week, which fraction is closest to the probability that the next customer will pay with cash?

- a) $\frac{1}{5}$
- b) $\frac{1}{4}$
- c) $\frac{1}{3}$
- d) $\frac{1}{2}$

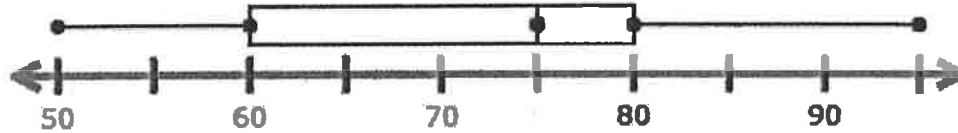
Identify the probability of



- a) choosing an ice cream cone
- b) choosing a soccer ball
- c) choosing a book
- d) choosing a coin

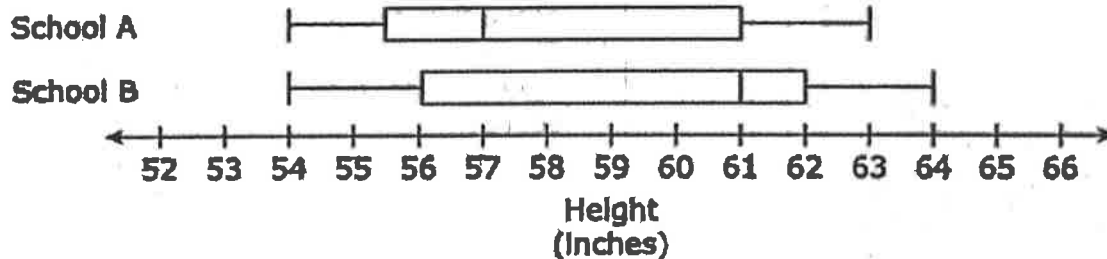
The principal of the school is looking over grade reports, specifically scores on math quizzes. This box and whisker plot shows the results. Find the median and range in the given box plot.

Math quiz scores



The box plot shows the heights of grade 7 students in two random samples from two different schools. The sample item from each school is 30% of the student population. Based on the box plot, which comparison is true?

Heights of Grade 7 Students

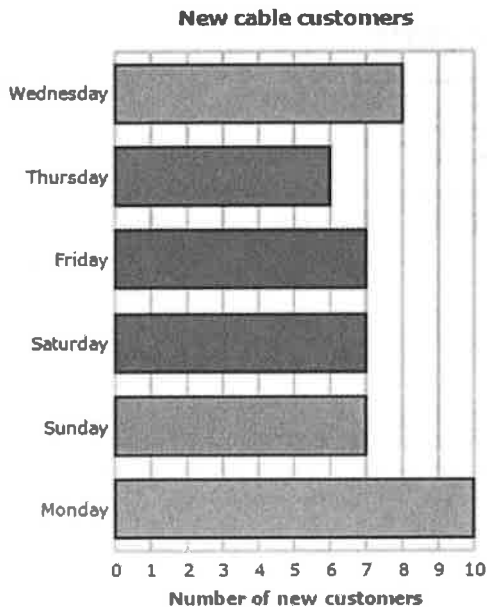


- Grade 7 students from School A are typically shorter than grade 7 students from School B because of the difference in the interquartile ranges of grade 7 student heights at the schools.
- Grade 7 students from School A are typically shorter than grade 7 students from School B because of the difference in the medians of grade 7 student heights at the schools.
- Grade 7 students from School A are typically taller than grade 7 students from School B because of the difference in the interquartile ranges from grade 7 student heights at the schools.
- Grade 7 students from School A are typically taller than grade 7 students from School B because of the difference in the medians of grade 7 student heights at the schools.

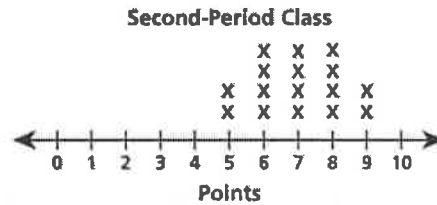
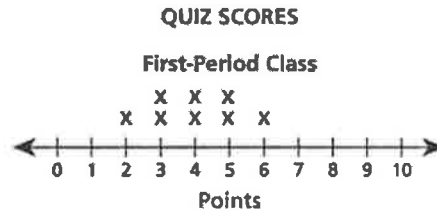
Laticia randomly selected 25% of the seventh-grade students in her school and asked them their favorite season. Of the students surveyed, 51 chose summer as their favorite season. Based on the data, what is the most reasonable prediction of the number of seventh-grade students in her school who would choose summer as their favorite season?

- a) 15
- b) 75
- c) 150
- d) 200

A cable company analyst paid attention to how many new customers it had each day. What is the range?



Ms. Andrews made the line plot below to compare the quiz scores for her first period math class and her second period math class. She gave the same quiz to each class.



What conclusion can Ms. Andrews make about the performance of her first and second period classes?

- a) The first period class had a higher median score than the second period class.
- b) The second period class scores had a higher mean than the first period class scores.
- c) The first period class scores had a greater range than the second period class scores.
- d) The second period class scores had a greater mean absolute deviation than the first period class scores.