

Name: \_\_\_\_\_

**Common Core Math**

**Grade 5**

**Practice Set 2**

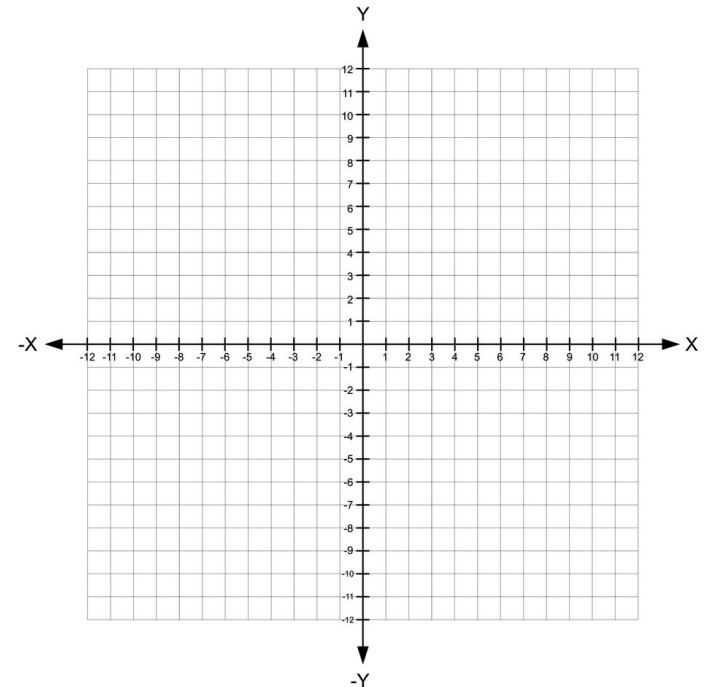
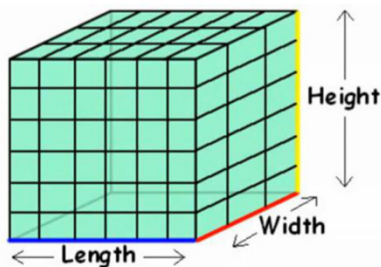
- 1 Jezebel plots the point (3, 5) on a coordinate grid. Which of these describes where the point would be plotted?
- (A) 3 units up from the origin and 5 units left of the y-axis
  - (B) 3 units up from the origin and 5 units right of the y-axis
  - (C) 3 units to the left of the origin and 5 units up from the x-axis
  - (D) 3 units to the right of the origin and 5 units up from the x-axis

- 3 Annabelle has 56 1-centimeter cubes. What are the dimensions of a rectangular prism Annabelle could build with all the cubes?
- (A) 7 units long, 4 units high, 2 units wide
  - (B) 6 units long, 5 units high, 5 units wide
  - (C) 10 units long, 2 units high, 3 units wide
  - (D) 8 units long, 2 units high, 4 units wide

**VOLUME FORMULA:**

The volume of a rectangular prism can be found by using this formula:

$$L \times W \times H$$



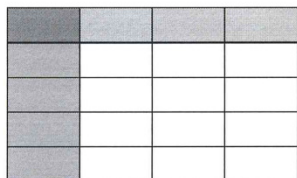
- 2 The table shows the best times for running 100 meters of four students on the track team.

Student	Best Time (seconds)
Ramon	12.77
Ellis	12.63
Xavier	12.75
Colin	12.68

If each time is rounded to the nearest tenth, which student would have a best time of 12.7 seconds?

- (A) Ramon
- (B) Ellis
- (C) Xavier
- (D) Colin

- 4 Circle the calculation that is represented on the grid below. Then find the value of the calculation. Write your answer on the line below.



$0.25 \div 0.2$

$0.25 \div 4$

$0.2 \div 4$

$0.2 \div 5$

- 5 Select **all** the expressions below that are equal to  $\frac{2}{3}$ .

☐  $\frac{1}{3} \times \frac{1}{3}$

☐  $\frac{1}{6} + \frac{1}{6}$

☐  $\frac{1}{3} + \frac{1}{3}$

☐  $\frac{1}{6} \times \frac{1}{6}$

☐  $3 - \frac{1}{3}$

☐  $\frac{5}{12} + \frac{3}{12}$

- 6 Bryant was reading a book with 220 pages. He read 90 pages in the first week. He wants to finish the book in 5 days. Write an expression that can be used to calculate how many pages he needs to read each day to finish the book in 5 days. Then simplify the expression to find the number of pages he needs to read each day.

Expression \_\_\_\_\_

Answer \_\_\_\_\_

- 7 A factory can fill 225 bottles of orange juice each hour. Each bottle of juice contains 24 fluid ounces of juice. Each bottle of juice sells for \$5.50.

How many bottles of juice can be filled in each 12-hour shift? Write your answer below.

\_\_\_\_\_

If all the bottles made in a 12-hour shift sell, how much money will be made? Write your answer below.

\_\_\_\_\_

- 8 During a science experiment, Holly measured the lengths of ten acorns she collected. The lengths, in inches, are listed below.

$$1\frac{1}{4}, 1\frac{5}{8}, 1\frac{1}{2}, 1\frac{1}{2}, 1\frac{1}{4}, 1\frac{1}{8}, 1\frac{1}{4}, 1\frac{1}{2}, 1\frac{1}{4}, 1\frac{3}{8}$$

Use the data to complete the line plot below.

$1\frac{1}{8}$

$1\frac{1}{4}$

$1\frac{3}{8}$

$1\frac{1}{2}$

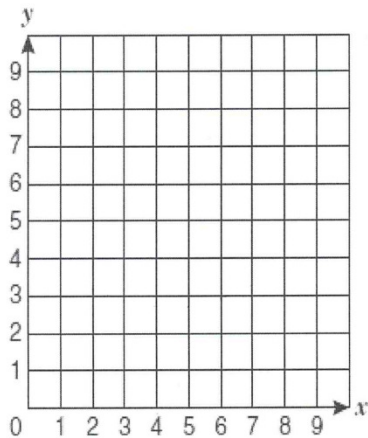
$1\frac{5}{8}$

Length (inches)

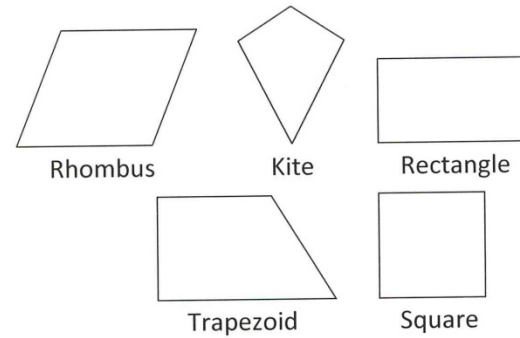
- 9 A pattern has the rule  $y = 3x + 1$ . Complete the table below to find the value of  $y$  for each value of  $x$ .

$x$	$y$
0	
1	
2	
3	

Plot the points from the table on the coordinate grid below and draw the line that connects the points.

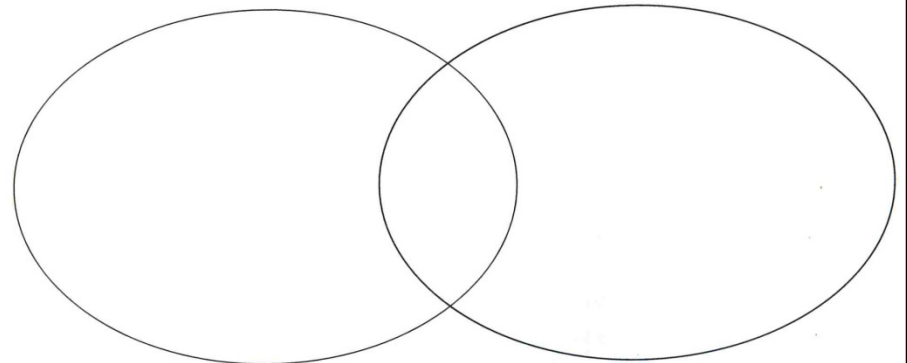


- 10 Write the names of the shapes below in the correct section of the Venn diagram.



At least 1 pair of parallel sides

At least 1 pair of congruent sides



End of Practice Set

Total Score: \_\_\_\_ / 10 points