Name: Weekly Math Quiz - Q1:1 Date:

1. Review

Use >, <, or = to solve the inequality.

$\frac{5}{8}$ _____ $\frac{4}{7}$

$\frac{12}{15}$ _____ $\frac{4}{5}$

2. Review

Find the sum.

439,786
+ 185,847

538.9 + 87.03

3. Review

Find the difference.

85,056
- 58,366

78.004 – 5.38

4. Review

Find the product.

87.05
x 1.6

36,789 x 218

5. Review

Find the quotient.

$14\overline{)7,532}$

398.7 ÷ 0.8

6. Review

Evaluate the expression.

$12^2 \div [(12 \times 4) \div 8]$

7.

Draw a model to represent the problem and find the quotient.

$\frac{3}{4} \div \frac{2}{8}$

8.

Ramon has 7/8 of a cup of cottage cheese. How many ¼ cup servings can he make?

Name: Weekly Math Quiz - Q1:3 Date:

1. Review

Use >, <, or = to solve the inequality.

$\frac{10}{12}$ _____ $\frac{7}{8}$

8.09 _____ 8.090

2. Review

Solve.

538,007 - 15,844

379,438 + 26,879

3. Review

Evaluate the expression.

$82 + 5 \times 7 - 12 + 6^2$

4.

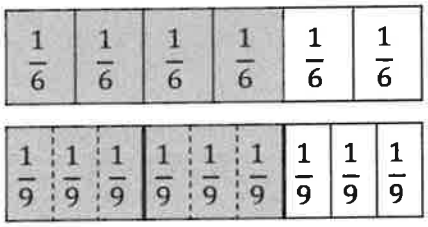
What fraction best completes both equations?

$\frac{1}{3} \div \frac{4}{10} = ?$

$? \times \frac{4}{10} = \frac{1}{3}$

5.

What division problem is being modeled?




6.

Solve.

75,903.8 + 95.387

38.96 x 15.7

7.

Find the quotient.

$3.2\overline{)15.936}$

1,834 ÷ 28

8.

What is the Least Common Multiple of 5 and 8?

What is the Greatest Common Factor of 35 and 42?

Name: Weekly Math Quiz - Q1:5 Date:

1. Review

Evaluate the expression.

$[(12 \times 5) - 10] \div 5$

2.

Find the quotient.

$\frac{5}{6} \div \frac{4}{12}$

3.

Solve.

$7{,}439.31 + 89.5$

$6{,}502.7 - 65.902$

4.

Find the quotient.

$0.8\overline{)697.04}$ $3{,}681 \div 45$

5.

What is the **L**east **C**ommon **M**ultiple of 7 and 2?

What is the **G**reatest **C**ommon **F**actor of 70 and 48?

6.

Victor baked 30 chocolate chip cookies, 18 peanut butter cookies, and 24 sugar cookies. He wants to split them into equal and identical bags to sell at the bake sale. What is the greatest number bags of cookies Victor can make?

7.

For every hour of exercise, Tina drinks 8 ounces of water. What is the ratio of hours to water? If Tina exercises for 3 hours, what will the ratio be?

8.

Joey can put together 4 burgers in 2 minutes. What is the unit rate for one burger?

Name: Weekly Math Quiz - Q1:7 Date:

1. Review

Evaluate the expression.

$15 + 6 \times 7 - 12 \div 2$

2.

Find the quotient.

$\frac{7}{8} \div \frac{1}{7}$

3.

Solve.

$456.88 + 39.045$

$83{,}005.4 - 5{,}283.77$

4.

Find the quotient.

$296.16 \div 2.4$

5.

Ms. Mary picks up Ed from art class every 3rd day and Mary from music class every 5th day. What is the first day Ms. Mary will need to pick up both Ed and Mary?

6.

Jose traveled 315 miles in 7 hours. Based on this rate, how many miles did Jose travel in one hour?

7.

Complete the table.

| napkins | people |
|---|---|
| 6 | 2 |
| 12 | 4 |
| 15 | |
| 24 | |

8.

Brian has 75 pieces of candy. 45 pieces of his candy are chocolate. What percentage of his candy is chocolate?

Name: Weekly Math Quiz – Q2:1 Date:

1. Find the quotient.

$$\frac{4}{5} \div 3$$

2. Solve.

$687.68 \div 0.7 =$

$754.8 \times 3.5$

3. Use the Distributive Property to express $30 + 42$.

4. It took Jamie 300 seconds to run 4 laps around the track. What is Jamie's unit rate?

5. Complete the table.

| Rides | Tickets |
|---|---|
| 1 | 3 |
| 3 | 9 |
| 5 | |
| | 27 |

6. A book normally costs $21.50. Today it was on sale for $15.05. What percentage discount was offered during the sale?

7. How many ounces are in 12 cups?

$$\frac{8\ oz.}{1\ cup} = \frac{?}{12\ cups}$$

8. Evaluate the expression.

$$2^3 + 6(\frac{1}{2} + 5) \div 2$$

Name: Weekly Math Quiz – Q2:3 Date:

1. Find the quotient.

$$5 \div \frac{2}{3}$$

2. Solve.

144.325 ÷ 2.3

418.6 x 0.87

3. What is the **L**east **C**ommon **M**ultiple of 9 and 5?

What is the **G**reatest **C**ommon **F**actor of 27 and 63?

4. Karen spent 39 minutes knitting 3 hats. In all, how many hats could Karen knit in 117 minutes?

5. What percent of 40 is 14?

What percent of 75 is 21?

6. Katy ran a mile in 5 minutes. How many seconds are in 5 minutes?

$$\frac{60\ sec}{1\ min.} = \frac{?}{5\ min.}$$

7. Write a word phrase to represent the numerical expression below.

(7-3) ÷ 2

8. What is the value of $8x^2 + 3x$ when x = 4?

Name: Weekly Math Quiz – Q2:5 Date:

1. Find the quotient.

$$\frac{11}{12} \div \frac{3}{5}$$

2. Tina has 18 sunflower seeds and 15 daisy seeds. She wants to distribute them equally into pots when planting them with no seeds left over. What is the greatest number of pots Tina can use?

3. Find the missing number of each unit rate.

$$\frac{20}{4} = \frac{?}{1} \qquad \frac{10}{5} = \frac{?}{1}$$

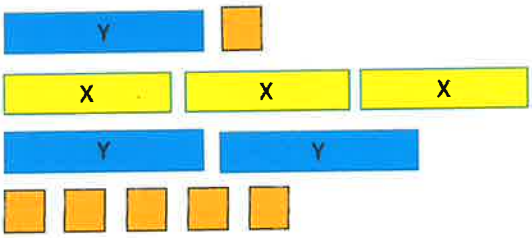
4. What is 15% of 92?

What is 38% of 65?

5. Evaluate the expression.

$8^2 + 15.7 \times 5 - 4$

6. What expression is represented in the model below?




7. Write an equivalent expression for

$8x + 3 + 5(2x + 6)$

8. List 3 values for x that would make this inequality true.

$X - 4 < 20$

_____ , _____ , _____

Name: Weekly Math Quiz – Q2:7 Date:

1.

Solve.

78.43 x 0.97

5,223 ÷ 1.2

2.

What is the **L**east **C**ommon **M**ultiple of 6 and 15?

What is the **G**reatest **C**ommon **F**actor of 53 and 56?

3.

Complete the table.

| X | Y |
|---|---|
| 2 | 8 |
| 4 | 16 |
| 5 | |
| | 28 |

4.

Ben just purchased a new shirt for $27.20 during a 15% off sale. What was the original price of the shirt?

5.

Are the two expressions equivalent when x = 5?

24x + 18

6(4x + 2)

6.

List 3 values for x that would make this inequality true.

24 > 2(x + 2)

_____ , _____ , _____

7.

Wendy purchased 9 pizzas for x dollars. She spent a total of $85.50. Write an equation to express how much Wendy spent on pizza. Find the value of x.

8.

Solve for y.

y – 8 = 56

Name: Weekly Math Quiz – Q2:9 Date:

1. How many 2/3 cup servings are there in a container that holds 7 cups?

2. McDonald's sells about 150 hamburgers every 3 seconds. How many seconds will it take McDonald's to sell 6,400 hamburgers?

3. Simplify the expression.
$18 + 12x$

What is the coefficient of x in the original expression?

What is the constant in the original expression?

4. List 3 values that would make this inequality true.

$3 \geq x - 4$

_____ , _____ , _____

5. Tina planted 75 plants. N plants did not grow leaving her with 48 plants. Write an equation to express how many plants Tina has now.

6. Solve for x.

$53 = 22 + x$

7. In order to open a savings account at the bank, you must have at least $25 in it at all times. Write an inequality to show how much money you need to have a savings account.

8. Find the rule. Solve for n.

| X | Y |
|---|---|
| 4 | 9 |
| 5 | 11 |
| 7 | n |
| 9 | 19 |

Rule:

Name: Weekly Math Quiz – Q3:1 Date:

1.

Solve.

$4{,}578 \times 0.34$

$1{,}179 \div 18$

2.

Emily ran her first lap in 75 seconds. She ran her second lap in 69 seconds. Using percentages, how much better was her second lap when compared to her first lap?

3.

Evaluate the expression.

$81 \div 9 + (5^2 - 6.7) - 12$

4.

Danny made 84 cupcakes on Monday and n cupcakes on Tuesday. He made a total of 145 cupcakes. Write an equation to express how many cupcakes Danny made.

5.

Solve for q.

$72 = 8q$

6.

Draw a number line to represent the inequality $34 > x$.

7.

Find the rule. Solve for n.

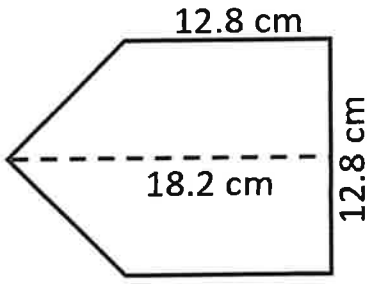
| X | Y |
|---|---|
| 3 | 5 |
| 4 | 6 |
| 6 | n |
| 8 | 10 |

Rule:

8.

SKIP

Find the area.



Name: Weekly Math Quiz – Q3:3 Date:

1. Find the quotient.

$$\frac{5}{8} \div \frac{2}{5}$$

2. For a recipe, the ratio of broccoli to carrots is 3:2. If there are 9 ounces of broccoli, how many ounces of carrots are there?

3. Write an equivalent expression for $4x + 9 + 3y + 3x + 4$.

4. Meghan used her cell phone for 45 minutes each day for n days. Her total minutes of cell phone usage was 540 minutes. Write an equation to express how many days Meghan used her cell phone. Solve for n.

5. Randy started a new job. He was told that he will be able to work at least 20 hours per week. Write an inequality to shows how many hours Randy will work each week.

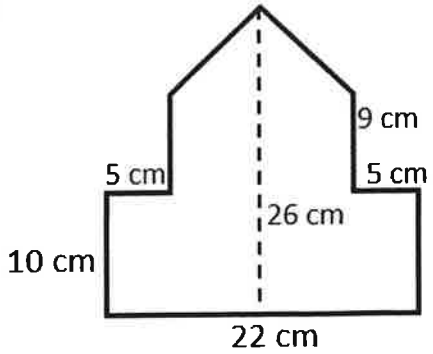
6. Find the rule. Solve for n.

| X | Y |
|---|---|
| 2 | 4 |
| 4 | 10 |
| 5 | n |
| 7 | 19 |

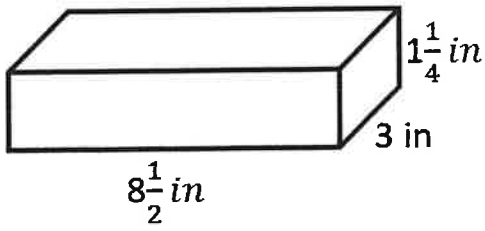
Rule:

7. Find the area.

SKIP




8. Find the volume.



Name: Weekly Math Quiz – Q3:5 Date:

1.

Solve.

43.28 x 6.7

1,419 ÷ 22

2.

Katlyn bought a new dress for 34.65. If it was on sale for 23% off, what was the original price of the dress?

3.

Gina takes three hours of dance class for x weeks. Write an expression to show the number of hours Gina dances.

4.

Write the inequality that represents the number line.


5.

Find the rule. Solve for n.

| X | Y |
|---|---|
| 8 | 4 |
| 10 | 5 |
| 12 | n |
| 16 | 8 |

Rule:

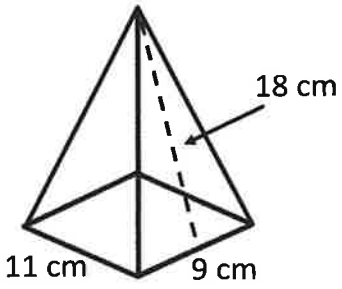
6.

Emma's pencil box is 7 inches long, 3 inches tall and 4 ½ inches wide. How much space (cubic inches) will her pencil box take up in her desk?

7.

Find the surface area.

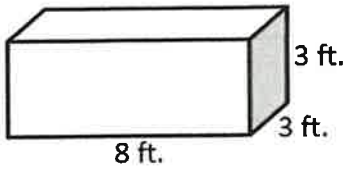
SKIP




8.

Tina is planning to paint a wood box. She is using small paint cans that cover 20 square feet of surface area. How many cans will Tina need to paint the outside of her wood box.

SKIP



Name: Weekly Math Quiz – Q3:7 Date:

1. Find the quotient.

$$\frac{6}{10} \div \frac{3}{4}$$

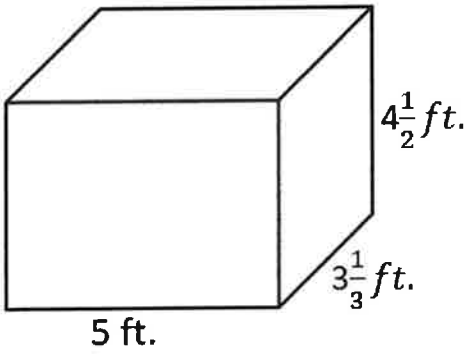
2. In Amy's garden, the ratio of herbs to vegetable plants is 5:2. If there are 40 herb plants, how many vegetable plants are in Amy's garden?

3. Solve for v.

75 + v = 234

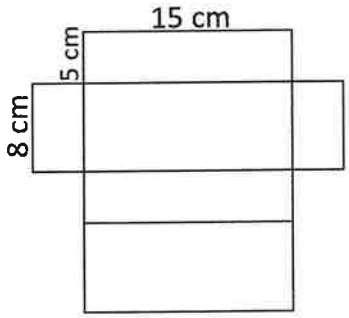
4. Draw a number line to represent the inequality $8 \leq x$.

5. Find the volume.

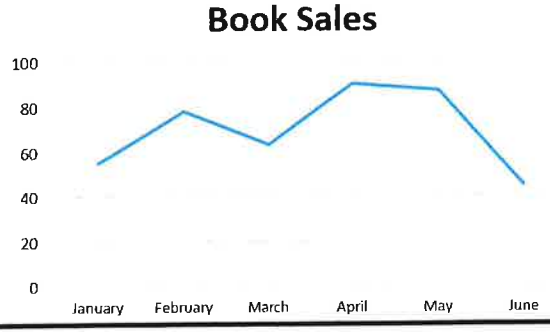



6. Use the net to find the surface area of the rectangular prism.

SKIP




7. Write a statistical question for the graph below.




8. Find the median and mean of the data. Which reflects the best measure of the center?

14, 18, 16, 122, 22, 19, 12

Name: Weekly Math Quiz – Q3:9 Date:

1. Solve.

83,498.8 + 587.04

23,420.77 – 4,874.9

2. In a 24-hour period, Grace spends 8 hours sleeping, 8 hours at school, 2 hours at dance class, and the rest of the time with her family. What percentage of her day is used for family time?

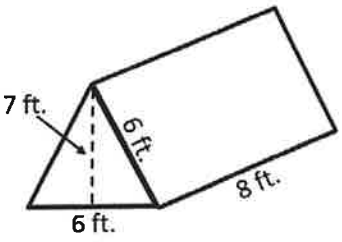
3. The latest Xbox costs $299 and games cost x dollars each. Wayne plans to purchase one Xbox and one game, spending a total of $344. Write an equation to express the amount Wayne will spend.

4. A jar can fit up to 125 gumballs. Write an inequality to represent the number of gumballs the jar can hold.

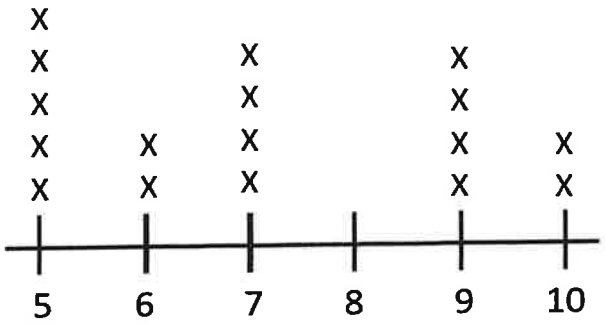
5. Jason is packing a large box with smaller shoe boxes. The large box has a volume of 5,832 cubic inches. Each shoebox measures 12in x 6in x 5in. About how many shoeboxes will Jason be able to fit in the large box?

6. Andrea has sketched a picture of a tent she would like to build. How many square feet of fabric will she need for her tent (include all sides)?

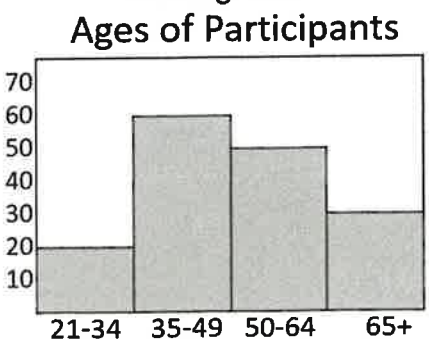
SKIP




7. Find the mode and range of the data below.




8. The histogram shows the ages of the people who took a survey. What age range was highest?



Name: Weekly Math Quiz – Q4:1 Date:

1.

Solve.

53,876 x 7.2

75.32 ÷ 0.08

2.

Randle made 5 liters of punch for his party. His friends drank 4,500 mL. How many milliliters are left at the end of the party?

3.

Solve for x.

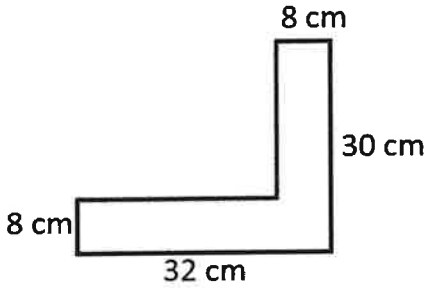
308 = 22x

4.

Draw a number line to represent the inequality $x \leq 32$.

5.

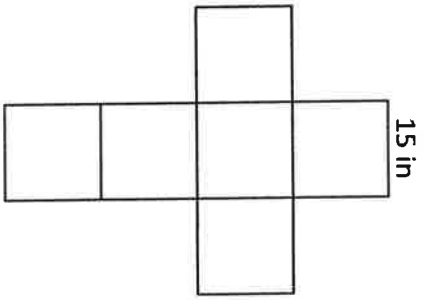
Find the area.




6.

Use the net to find the surface area of the cube.

SKIP



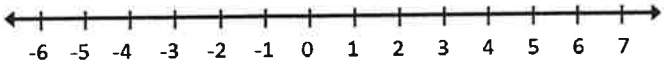

7.

Rewrite the non-statistical question as a statistical question.

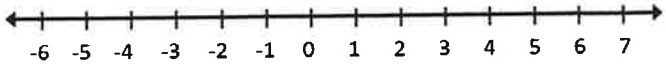
How much food does your dog eat?

8.

Graph the integer 5 and its opposite on the number line.




Graph the integer -3 and its opposite on the number line.



Name: Weekly Math Quiz – Q4:3 Date:

1. Ricky has ¾ of a bag of Skittles. He wants to split the rest between his 5 friends. What fraction of the bag will each friend receive?

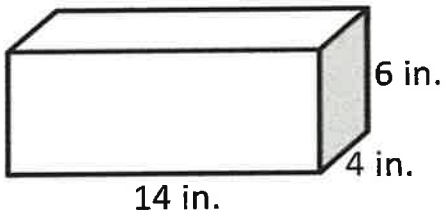
2. A 12 pack of Cola costs $5.46. How much does one can of Cola cost?

3. What is the value of $4x - x + 5$ when $x = 3$?

4. Tina reads at least 30 minutes each day. Write an inequality to show how much Tina reads.

5. Find the surface area.

SKIP

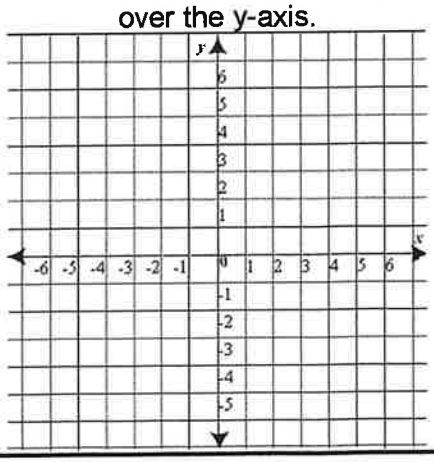



6. Find the median and mean of the data. Which reflects the best measure of the center?

8, 140, 22, 15, 18, 9, 25, 15, 16

7. Graph the ordered pair (5,-1) and its reflection over the y-axis.

SKIP



8. Use >, <, or = to compare the numbers. Plot them on the number line.

3 _____ -5

Name: Weekly Math Quiz – Q4:5 Date:

1.

Solve.

76.58 x 1.92

227.47 ÷ 2.3

2.

James ran 3 kilometers after school. How many meters did James run?

3.

Solve for x.

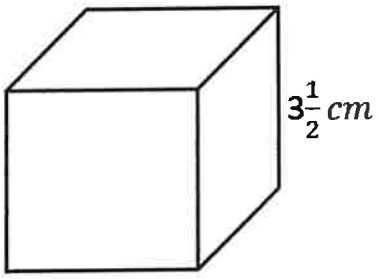
342 + x = 782

4.

Write an inequality to represent the numberline.


5.

Find the volume of the cube.




6.

Draw a line plot to correctly display the data.

17, 13, 19, 13, 11, 15, 12, 13, 17, 17, 17, 11

Mean= Median=

Mode= Range=

7.

Use >, <, or = to compare the numbers. Plot them on the number line.

-6 _____ -4

8.

Plot the points to create a rectangle. Find the missing vertex. (4,2),(-4,2),(4,-2).