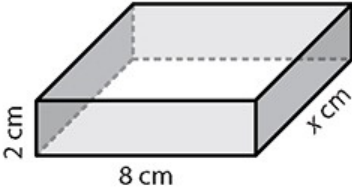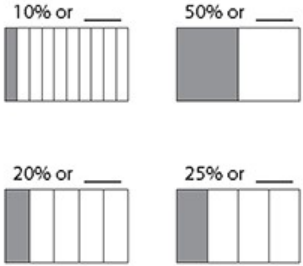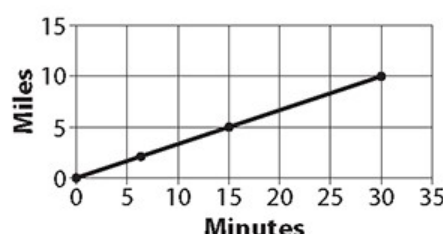# A Quiz #5
Lessons 17–20

1. $90.61 - 23.55 = ?$

2.   Simplify this expression. $4w + 8 + 6r + 2 - r$

3.   The community sponsored a recycling campaign. The data table shows how many pounds of cans were collected by each class. Give the mean, median, mode, and range.

4.   Simplify this complex fraction. $\dfrac{\frac{1}{2}}{\frac{2}{3}}$

5.   Which of these make the inequality true? $36 \geq 9b$

6.   The volume of the prism is 80 cm³. What is the length of x?

7.   Chloe charged $18.00 for walking Ms. Jensen's dog 72 times. Write the unit rate in walks per dollar.

8.   Evaluate $(4 + c)^2$ when $c = 2$.

9.   When two factors have opposite signs, the product is (negative / positive). Circle the equations that will have a negative product.

10.   Write an equivalent fraction in lowest terms to represent each percentage shown in the models.

11.   Which equation in the box has the same value as $(5 - 2) + 3 = ?$ Solve the equation.

12.   At a theme park, the ticket price for children is c and the ticket price for adults is $17 more than that. Write an expression to show the cost of tickets for 2 adults and 5 children. Simplify the expression.

1. 6.NS.3	**2.** 7.EE.1

3.

6.SP.5

Classroom	Pounds of Recycling
A	14
B	23
C	18
D	19.5
E	17
F	19.5
G	22
H	21

mean:

median:

mode:

range:

4.

7.RP.1

5.

6.EE.5

2   3   4   5   6   7

6.

7.G.6

2 cm

8 cm

x cm

7. 6.RP.2	**8.** 6.EE.2

9.   negative / positive

7.NS.2

A) -3×6

B) 3×6

C) 3×-6

D) -3×-6

10.

6.RP.3

10% or _____   50% or _____

20% or _____   25% or _____

11.

7.NS.1

A) $(5 - 3) + 2 = \ ?$

B) $5 + (-2 + 3) = \ ?$

C) $5 - (2 + 3) = \ ?$

12.

6.EE.6

A Quiz #6
Lessons 21–24

1. $24.6 \div 0.03 = ?$

2. Simplify this complex fraction. $\dfrac{\frac{1}{9}}{\frac{5}{6}}$

3. Mr. Paul always leaves a 20% tip on his food bill at a restaurant. If Mr. Paul's food bill is $36.00, what will the 20% tip be?

4. The dimensions of a rectangular prism are 5 cm, 6 cm, and x cm. Its surface area is 148 cm². Find the other dimension.

5. The dot plot shows the number of goals scored during a soccer season. Identify the median, mode, and range of this data set.

6. What property does this equation represent? $15 + (-15) = 0$

7. Use this expression to name each item. $7r^3 + 6r^2 - 3r - 8$

8. Write an equivalent expression for $4(4g - 6) - 7g$. Simplify the expression.

9. When two factors have the same sign, the product is (negative / positive). Circle the equations that will have a positive product.

10. Study the graph. Does it represent a proportional relationship?

11. Anabeth has 8 pairs of earrings. If $\frac{3}{4}$ of the pairs are made of silver, how many pairs of silver earrings is that?

12. Jenny bought a magazine and 2 books. Write an expression to show how much Jenny spent if the cost of each book was d dollars and the magazine cost $6.00.

1.

6.NS.3

2.

7.RP.1

3.

6.RP.3

4.

7.G.6

5.

6.SP.5

Number of Games

Goals

median:

mode:

range:

6.

7.NS.1

A) additive inverse property

B) commutative property

7.

6.EE.2

variable: _____

coefficients: _____

constant: _____

8.

7.EE.1

9.

7.NS.2

negative / positive

A) -4×8

B) 4×8

C) 4×-8

D) -4×-8

10.

7.RP.2

11.

7.NS.3

12.

6.EE.6