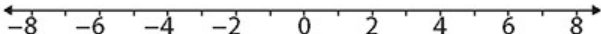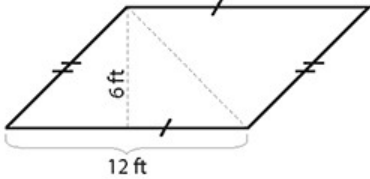# A Quiz #3
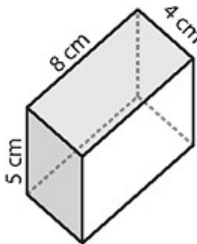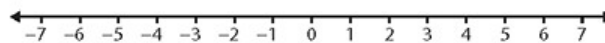### Lessons 9–12

1. $7.55 \div 0.5 = ?$

2. A ten-visit movie pass costs $79.50. What is the unit rate for each visit?

3. Use the properties of addition to simplify this expression. $4j + 7 + 2j - 2 + 3j$

4. Mick struck out 4 times during today's baseball game. This is the most he has ever struck out in a single game all season. Write an inequality to represent how many times Mick has struck out during each game and graph it on a number line.

5. Write an algebraic expression that means *six times a number, decreased by 5.*

6. Use the number line to find the sum of $-4 + (-3)$. Is the sum positive or negative?

7. Find the area of the parallelogram.

8. $\frac{\frac{1}{6}}{3}$ is a complex fraction. Choose the equivalent simplified fraction.

9. Sandra can bake 11 pies in a day. Complete the table to show how many pies she can bake if she bakes every day with no days off.

10. Simplify each expression. Which expression is <u>not</u> equivalent to the other two?
    A) $4s + 5$ B) $4(s + 5)$ C) $4s + 20$

11. A case of candy bars cost $12 and there are 24 bars in the case. What is the cost of each bar? Write and solve an equation where p is the price of a candy bar.

12. The table represents the number of each type of owl from Grace's collection. Find the mode, mean, and median.

1.

6.NS.3

2.

6.RP.2

3.

7.EE.1

4.

6.EE.8

5.

6.EE.2

6.

7.NS.1

7.

6.G.1

6 ft

12 ft

8.

7.RP.1

A) $\frac{1}{2}$

B) $\frac{1}{18}$

C) $\frac{6}{\frac{1}{3}}$

9.

6.RP.3

Time	Pies baked
1 day	
1 week	
2 weeks	
1 year	

10.

6.EE.4

11.

6.EE.5

12.

6.SP.5

paper-mâché	4
wood	9
ceramic	17
metal	10
crystals	8
pine cones	4
beads	11

mode:

mean:

median:

A Quiz #4
Lessons 13–16

1. Simplify this complex fraction. $\dfrac{\frac{5}{7}}{15}$

2. Avery's Lawn Service charges $7.00 per cut plus $4.25 per gallon of gas used. Write an algebraic expression to represent the amount Avery charges per cut. Let g = the gallons of gas used.

3. Find the surface area of the rectangular prism.

4. Expand this expression by using the distributive property. $3(2s + 5)$

5. Use the number line to find the sums. What do you notice about the direction you move on the number line when both addends are positive or when both addends are negative?

6. If a high-speed color printer can print 72 color copies in 4 minutes, what is the unit rate in color copies per minute?

7. Think about the inequality $x > 85$. Which of these values for x make the statement correct?

8. Study the student attendance data table. Find the mean, mode, and median.

9. Which expression is equivalent to $9p + 40$?
    A) $8(p + 5) + p$ B) $4(5p + 10)$ C) $p(9 + 40)$

10. $0.25 \times 0.6 = ?$

11. The Columbus Zoo has 2 elephants. Bodhi, the baby elephant, is 3 feet tall. Bodhi is 6 feet shorter than his dad, Coco. Write and solve a subtraction equation to find out how tall Coco is.

12. Write an equation that means "3 times a number, plus 8, is 29."

1.

7.RP.1

2.

6.EE.2

3.

7.G.6

8 cm, 4 cm, 5 cm

4.

7.EE.1

5.

7.NS.1

$-4 + -2 =$ _____ $3 + 3 =$ _____

$-2 + -5 =$ _____ $\frac{1}{5} + \frac{3}{5} =$ _____

−7 −6 −5 −4 −3 −2 −1 0 1 2 3 4 5 6 7

6.

6.RP.2

7.

6.EE.8

0   100   85   58   72   87

8.

6.SP.5

December 3 – 7	Students Absent
Monday	4
Tuesday	3
Wednesday	1
Thursday	4
Friday	5

mean:

mode:

median:

9.

6.EE.4

10.

6.NS.3

11.

6.EE.7

12.

6.EE.5