

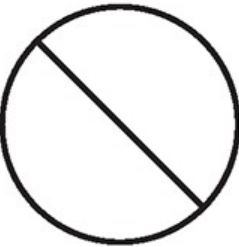
A Quiz #9
Lessons 33–36

1. Simplify this complex fraction. $\frac{3\frac{3}{4}}{\frac{5}{2}}$
2. Simplify this expression. $15u - 4 + u - 6$
Evaluate the expression if $u = 2$.
3. The surface area of a rectangular prism is 342 yd^2 . Two of the dimensions are 3 yd and 12 yd. What is the measurement of the other dimension?
4. There are 8 servings and 1,400 Calories in a container of ice cream. How many Calories are in one serving? Write the unit rate in Calories per serving.
5. At one store, the price for all candy is \$6.50 per pound. Complete the table.
Give the unit rate and the constant of proportionality.
6. Simplify each expression. Are these expressions equivalent?
A) $4(3d + 5f + 7)$ B) $12d + 20f + 28$ C) $6d + 6d + 10f + 10f + 28$
7. Ava takes care of 6 horses; each horse eats about 85 pounds of feed per year. How many pounds of feed will all the horses eat in 18 months?
8. $117.6 - 78.24 = ?$
9. A city bus passenger can buy a pass, b , and can pay an additional \$3.00 for an express pass. Write an expression to represent the cost of 7 express passes and 4 regular bus passes. Simplify the expression.
10. Which value for c makes the equation true? $7c + 3 = 52$, $c = \underline{\hspace{2cm}}$
11. Juliana charted the temperature for a school project. She noticed that the temperature dropped 2 degrees every day for 5 days in a row. On the last day, what was the temperature compared to day one?
12. On her test paper, Tabitha correctly spelled 18 out of 20 words. Use the formula to find the percent correct. Round the percent to the nearest whole number if necessary.
$$\frac{\text{score on test}}{\text{questions on test}} \times 100 = \%$$

1. 7.RP.1	2. 7.EE.1								
3. 7.G.6	4. 6.RP.2								
5. 7.RP.2 <table border="1" data-bbox="378 821 683 1041"><thead><tr><th>Pounds</th><th>Price (\$)</th></tr></thead><tbody><tr><td>$\frac{1}{2}$</td><td></td></tr><tr><td>2</td><td></td></tr><tr><td>5</td><td></td></tr></tbody></table>	Pounds	Price (\$)	$\frac{1}{2}$		2		5		6. 6.EE.4
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7. 7.NS.3	8. 6.NS.3								
9. 6.EE.6	10. 6.EE.5 5 6 7 8								
11. 7.NS.2	12. 7.RP.3								

A Quiz #10
Lessons 37–40

1. Simplify this complex fraction. $\frac{\frac{3}{5}}{9}$
2. Olivia is painting a banner that is 13 feet long. On Monday she painted $4\frac{1}{3}$ feet of the banner. On Tuesday she painted $5\frac{3}{4}$ feet of the banner. How much of the banner does she still need to paint?
3. $9.55 \div 0.05 = ?$
4. The scout troop mowed lawns for a community service badge. Study the data table and find the mean, median, and range of hours worked by the troop.
5. Circle any choices that have a negative quotient.
6. The table shows a proportional relationship. Fill in the missing data in the chart.
7. Expand this expression by using the distributive property. $-9(3f + 7)$
8. One diameter is shown. Draw another.
9. A contestant on a television game show earned 300 points in the first round, -200 the second round, and 600 the third round. Write an addition equation to describe how many points the contestant earned. Give the sum.
10. Are these expressions equivalent? Simplify each expression to prove your answer.
11. Study each phrase; write P if it names a population or S if it names a sample.
12. If sales tax is 7.75%, what is the total cost of an \$11 purchase including tax?

1. 7.RP.1	2. 7.NS.3														
3. 6.NS.3	4. 6.SP.5 <table border="1" data-bbox="938 499 1166 756"> <thead> <tr> <th colspan="2">Hours of Mowing</th> </tr> </thead> <tbody> <tr> <td>Scout 1</td> <td>4</td> </tr> <tr> <td>Scout 2</td> <td>2</td> </tr> <tr> <td>Scout 3</td> <td>6.5</td> </tr> <tr> <td>Scout 4</td> <td>1</td> </tr> <tr> <td>Scout 5</td> <td>5</td> </tr> <tr> <td>Scout 6</td> <td>3.5</td> </tr> </tbody> </table> <p>mean: median: range:</p>	Hours of Mowing		Scout 1	4	Scout 2	2	Scout 3	6.5	Scout 4	1	Scout 5	5	Scout 6	3.5
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5. 7.NS.2 <p>A) $-15 \div 5$ B) $15 \div 5$ C) $15 \div -5$ D) $-15 \div -5$</p>	6. 7.RP.2 <table border="1" data-bbox="912 781 1263 1050"> <thead> <tr> <th colspan="2">Chicken Wings Sale</th> </tr> <tr> <th>Price (\$)</th> <th>Wings</th> </tr> </thead> <tbody> <tr> <td></td> <td>6</td> </tr> <tr> <td>5.98</td> <td>12</td> </tr> <tr> <td>14.95</td> <td></td> </tr> <tr> <td></td> <td>60</td> </tr> </tbody> </table>	Chicken Wings Sale		Price (\$)	Wings		6	5.98	12	14.95			60		
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9. 7.NS.1	10. 6.EE.4 <p>A) $4(2c + 6b - 3b)$ B) $8c + 24b - 12b$ C) $8c + 12b$</p>														
11. 7.SP.1 <p>_____ Americans who have a driver's license _____ American drivers who belong to the American Automobile Association</p>	12. 7.RP.3														