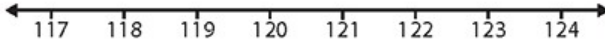
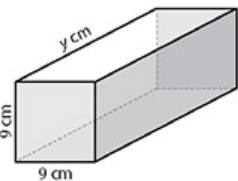


**A Quiz #11**  
**Lessons 41–44**

1. Write the simplified expression for  $5(t - 3) + 15$ . Evaluate the expression if  $t = 10$ .
2. Simplify this complex fraction.  $\frac{\frac{1}{2}}{\frac{4}{3}}$
3. A middle school has 360 students. If  $\frac{3}{10}$  of the students are in sixth grade and  $\frac{7}{20}$  are in 7th grade, how many students are in 8th grade?
4.  $807.6 - 244.8 = ?$
5. Find the mean and the median. Round to the nearest tenth.
6. If the diameter is 60 inches, what is the radius?
7. Gavin had a hockey tournament that was 120 miles away. This is the farthest he has ever traveled to play hockey. Write an inequality to represent how far Gavin usually travels for a hockey game and show it on a number line.
8. The animal shelter uses 10 gallons of water and 2 bags of food for every 6 dogs living there. If there are 12 dogs, how many gallons of water are needed? How many bags of food?
9. The volume of the prism is  $1,620 \text{ cm}^3$ . Find the length of  $y$ .
10. A farmer is analyzing his productivity with a new tractor. Is his data proportional? If so, give the unit rate and constant of proportionality. If not, identify which point(s) are not proportional to the others.
11. Fill in the table to remind you of what happens when you divide integers.
12. James owed his mom \$50. He gave her \$25. Choose the expression that describes this situation.

<p>1.</p> <p>7.EE.1</p>	<p>2.</p> <p>7.RP.1</p>										
<p>3.</p> <p>7.NS.3</p>	<p>4.</p> <p>6.NS.3</p>										
<p>5.</p> <p>6.SP.5</p> <table border="1" data-bbox="251 829 776 871"> <tr> <td>37</td> <td>22.75</td> <td>19</td> <td>26</td> <td>41.4</td> <td>31</td> <td>44</td> <td>27.25</td> </tr> </table>	37	22.75	19	26	41.4	31	44	27.25	<p>6.</p> <p>7.G.4</p>		
37	22.75	19	26	41.4	31	44	27.25				
<p>7.</p> <p>6.EE.8</p> 	<p>8.</p> <p>7.RP.3</p>										
<p>9.</p> <p>7.G.6</p> 	<p>10.</p> <p>7.RP.2</p> <table border="1" data-bbox="868 1375 1421 1459"> <tr> <td>Acres Plowed</td> <td>3</td> <td>5</td> <td>8</td> <td>4</td> </tr> <tr> <td>Hours</td> <td>4.5</td> <td>7.5</td> <td>12</td> <td>6</td> </tr> </table>	Acres Plowed	3	5	8	4	Hours	4.5	7.5	12	6
Acres Plowed	3	5	8	4							
Hours	4.5	7.5	12	6							
<p>11.</p> <p>7.NS.2</p> <table border="1" data-bbox="324 1701 665 1869"> <tr> <td>÷</td> <td>+</td> <td>-</td> </tr> <tr> <td>+</td> <td></td> <td></td> </tr> <tr> <td>-</td> <td></td> <td></td> </tr> </table>	÷	+	-	+			-			<p>12.</p> <p>7.NS.1</p> <p>A) <math>50 + 25</math></p> <p>B) <math>-50 + 25</math></p>	
÷	+	-									
+											
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**A Quiz #12**  
**Lessons 45–48**

1. Simplify this expression.  $7p - 2 + 3p - 14 + t$
2. Simplify this complex fraction.  $\frac{\frac{1}{8}}{\frac{6}{7}}$
3. Which expression has the same value as  $(8 - 12) + 32$ ?
4. The cost of a pizza is \$10.00. Write and solve an equation to show the total cost of a pizza with a 15% tip.
5. Angel is moving the library. Monday she packed up  $\frac{1}{4}$  of the shelves. Today, she packed more shelves and has  $\frac{1}{8}$  of the shelves left to pack. Write and solve an equation to show how much Angel packed today.
6. Marta paid \$4.48 for two pounds of carrots. Give the unit rate and the constant of proportionality, and then complete the table.
7.  $483 \div 22 = ?$
8.  $0.53 \times 0.07 = ?$
9. Write the formula for finding the area of a circle.
10. Write 7% as a decimal. Remember, *percent* means “per hundred.”
11. The dimensions of a rectangular prism are 7 cm, 8 cm, and 10 cm. Find the volume and the surface area.
12. Audrey works at an ice cream parlor. On Saturday, she used 6 boxes of ice cream cones; on Sunday, she used  $\frac{1}{3}$  as many boxes as she had used on Saturday. How many boxes of cones did Audrey use on Sunday?

1. 7.EE.1	2.												
3. 7.NS.1 A) $8 + (-12 + 32)$ B) $(8 - 32) - 12$ C) $8 - (12 + 32)$	4. 7.RP.3												
5. 6.EE.7	6. 7.RP.2 <table border="1"><thead><tr><th colspan="2">Price of Carrots</th></tr><tr><th>Pounds</th><th>Price (\$)</th></tr></thead><tbody><tr><td>1</td><td></td></tr><tr><td>2</td><td>4.48</td></tr><tr><td>4</td><td></td></tr><tr><td>9</td><td></td></tr></tbody></table>	Price of Carrots		Pounds	Price (\$)	1		2	4.48	4		9	
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2	4.48												
4													
9													
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11. 7.G.6	12. 7.NS.3												