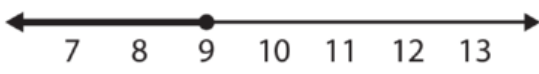
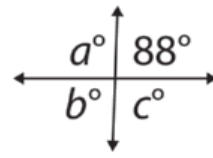
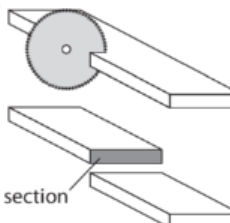



Lesson #120

<p>1. $x + 3 \leq 12$ $x \leq 9$</p> <p>7.EE.4 She can give away 9 or less passes.</p> 	<p>2.</p> <p>7.G.5 </p> <p style="text-align: right;">$a = 92^\circ$ $b = 88^\circ$ $c = 92^\circ$</p>																				
<p>3.</p> <p>7.SP.8 24 outfit combinations</p>	<p>4.</p> <p>7.NS.1 A) $-10 + (-15)$ B) $10 + (-15)$</p>																				
<p>5.</p> <p>7.EE.3 Yes, it's reasonable. $30 \times 8 = 240$ or Actual: $(200 \times 1.2) \div 8 = \\30</p>	<p>6.</p> <p>7.G.3  Answers will vary. Cross section – face formed after you cut through a 3-D object.</p>																				
<p>7.</p> <p>7.RP.3 18.8% increase</p>	<p>8.</p> <p>7.SP.6</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Color</th> <th>Quantity</th> <th>Theoretical</th> <th>Relative Frequency</th> </tr> </thead> <tbody> <tr> <td>Red</td> <td>9</td> <td>$\frac{1}{4}$</td> <td>$\frac{9}{36} = \frac{1}{4}$</td> </tr> <tr> <td>Yellow</td> <td>18</td> <td>$\frac{1}{4}$</td> <td>$\frac{18}{36} = \frac{1}{2}$</td> </tr> <tr> <td>Blue</td> <td>3</td> <td>$\frac{1}{4}$</td> <td>$\frac{3}{36} = \frac{1}{12}$</td> </tr> <tr> <td>Green</td> <td>6</td> <td>$\frac{1}{4}$</td> <td>$\frac{6}{36} = \frac{1}{6}$</td> </tr> </tbody> </table>	Color	Quantity	Theoretical	Relative Frequency	Red	9	$\frac{1}{4}$	$\frac{9}{36} = \frac{1}{4}$	Yellow	18	$\frac{1}{4}$	$\frac{18}{36} = \frac{1}{2}$	Blue	3	$\frac{1}{4}$	$\frac{3}{36} = \frac{1}{12}$	Green	6	$\frac{1}{4}$	$\frac{6}{36} = \frac{1}{6}$
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<p>9.</p> <p>7.G.4 $r = 15$ mm</p>	<p>10.</p> <p>7.NS.2 -0.80</p>																				
<p>11.</p> <p>7.SP.5 $P(\text{black}) = \frac{4}{6}$ or $\frac{2}{3}$</p> 	<p>12.</p> <p>7.SP.4 A) The floral club members are generally older than the bird watchers. B) People in their 60s are less interested in bird watching than they are in flower growing. C) Many in the floral club are also in the bird club.</p>																				