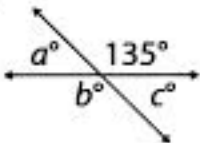
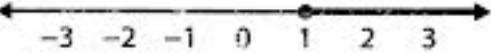
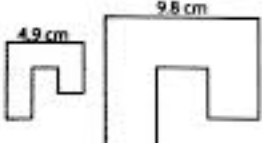
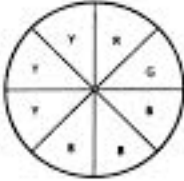


Lesson #117

<p>1. $\frac{-15^\circ}{5 \text{ days}} \quad -15 \div 5 = x$ $x = -3.$</p> <p>The temperature dropped about 3 degrees each day.</p>	<p>2. $C = 2\pi r$ $= 2 \cdot 3.14 \cdot 35$ $C = 219.8 \text{ in.}$</p>										
<p>3. A) As the number of trials increases, the relative frequency gets closer to the theoretical probability of the outcome.</p> <p>B) Experimental data does not always align perfectly with theoretical probability.</p> <p>C) neither A nor B</p> <p><u>D) both A and B</u></p>	<p>4. $\frac{63}{100} = \frac{x}{80,000}$ $\frac{80,000}{100} \cdot 63$ Mean = 63</p> <p>Approximately 50,400 will attend.</p>										
<p>5. $\frac{450,000 \times .085}{12}$</p> <p>12 payments of \$3,187.50 each</p>	<p>6. 1st pull 2nd pull 11 marbles 10 marbles</p> <p>$P(\text{yellow}) = \frac{1}{10}$</p>										
<p>7.  $a = 45^\circ$ $b = 135^\circ$ $c = 45^\circ$</p>	<p>8. A) $-6(-0.25) = \\$1.50$ B) $6(-0.25) = -\\$1.50$</p>										
<p>9. C of P = 165 $y = 105x$ $c = 165n$</p> <table border="1" data-bbox="337 1434 800 1549"> <thead> <tr> <th>Number of cans (n)</th> <th>2</th> <th>4</th> <th>7</th> <th>9</th> </tr> </thead> <tbody> <tr> <td>Calories (c)</td> <td>330</td> <td>660</td> <td>1155</td> <td>1485</td> </tr> </tbody> </table>	Number of cans (n)	2	4	7	9	Calories (c)	330	660	1155	1485	<p>10. $>, <$ open circle $3x + 9 \geq 12$ $>, <$ closed circle $x \geq 1$</p> <p>$\frac{3x + 9}{3} \geq \frac{12}{3}$ $x + 3 \geq 4$ $x \geq 1$</p> 
Number of cans (n)	2	4	7	9							
Calories (c)	330	660	1155	1485							
<p>11.  $\frac{4.9 \text{ cm}}{9.8 \text{ cm}} = \frac{1 \text{ cm}}{2 \text{ cm}}$</p> <p>Scale: 1 cm to <u>2</u> cm</p>	<p>12.  $P(\text{red}) = \frac{1}{8}$</p>										