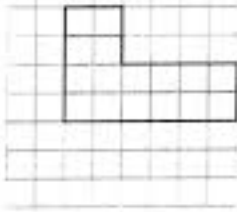
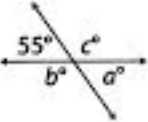





Lesson #132

<p>1.</p> <p>7.RP.2</p> <p>Unit Rate = $\frac{5.5 \text{ servings}}{1 \text{ lb rice}}$</p> <p>C of P is 5.5</p>	<p>2.</p> <p>7.NS.2</p> <p>$0.\overline{16}$</p>
<p>3.</p> <p>7.SP.2</p> <p>$\frac{155}{200} = \frac{x}{500,000}$ mean of nonsmokers = 155</p> <p>estimate = 387,500 nonsmokers</p>	<p>4.</p> <p>7.G.1</p>  <p>$\frac{2 \text{ ft}}{1 \text{ cm}} = \frac{4 \text{ ft}}{x \text{ cm}}$ $4 \text{ ft} \rightarrow 2 \text{ cm}$ $8 \text{ ft}: 4 \text{ cm}$ $12 \text{ ft}: 6 \text{ cm}$</p> <p>$\frac{2 \text{ ft}}{1 \text{ cm}} = \frac{8 \text{ ft}}{x \text{ cm}}$ $\frac{2 \text{ ft}}{1 \text{ cm}} = \frac{12 \text{ ft}}{x \text{ cm}}$</p>
<p>5.</p> <p>7.SP.6</p> <p>Answers will vary. There may be about 6 each of the zebra, gorilla, giraffe, and lion because the experimental and theoretical do not usually match exactly.</p>	<p>6.</p> <p>7.EE.3</p> <p>$\frac{9}{40}$</p>
<p>7.</p> <p>7.G.5</p>  <p>$a = 55^\circ$ $b = 125^\circ$ $c = 125^\circ$</p>	<p>8.</p> <p>7.EE.4</p> <p>$3 < a$</p> 
<p>9. First student $P(\text{cat}) = \frac{6}{12}$</p> <p>7.SP.8</p> <p>$P(\text{cat}) = \frac{5}{11}$</p>	<p>10.</p> <p>7.EE.2</p>  <p>$3(s + 2)$ or $3s + 6$</p>
<p>11.</p> <p>7.G.3</p>  <p>The cross section is a rectangle similar to the base but not congruent.</p>	<p>12.</p> <p>7.NS.1</p> <p>A) $-6 + (-7)$</p> <p>B) $-6 + 7$</p>