
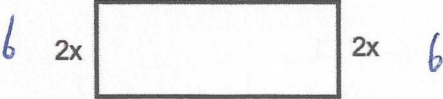


10th September	
<p>Susan buys an antique for £120 and sells it for £216.</p> <p>Work out her percentage profit</p> $\frac{96}{120} \times 100$	 CorbettmOths  $80\%$
<div style="text-align: center;"> <math>5x + 3</math>    <math>18</math>    <math>3x + 9</math>    <math>18</math> </div> <p>The diagram shows a rectangle. The sides are measured in centimetres.</p>	<p>Explain why <math>5x + 3 = 3x + 9</math></p> <p>opposite sides of a rectangle have equal lengths</p>
<p>Solve <math>5x + 3 = 3x + 9</math></p> $2x + 3 = 9$ $2x = 6$ $x = 3$	<p>Calculate the perimeter of the rectangle.</p> $48\text{cm}$
<p>Expand and simplify  <math>(5y + 1)(y - 3)</math></p> $5y^2 - 15y + y - 3$ $5y^2 - 14y - 3$	
<p>Calculate the area if the pressure is <math>8\text{N/cm}^2</math> and the force is <math>200\text{N}</math></p> $P \quad F \quad A$	$A = \frac{F}{p} = \frac{200}{8} = 25\text{cm}^2$