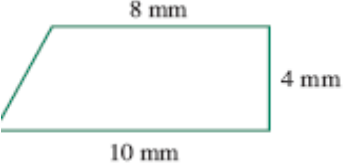
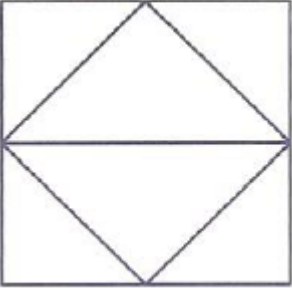


<p><b>1. Indices and Square Roots</b></p> <p>a) <math>4^3</math></p> <p>b) <math>\sqrt{144}</math></p> <p>c) <math>\sqrt{121} - 3^2</math></p>	<p><b>2. Ratios - simplify</b></p> <p>a) 24 : 36</p> <p>b) 15 : 75</p> <p>c) 12 mins : 1 hour</p>	<p><b>3. Pythagoras' Theorem</b></p> <p>A 2.5 metre ladder leans against a wall so that the top of the ladder reaches 2 metres up the wall. How far out from the bottom of the wall does the ladder reach? Provide a diagram.</p>
<p><b>4. Fractions</b></p> <p>Add – no calculator. Show steps.</p> $\frac{2}{3} + \frac{4}{7}$	<p><b>5. Decimals</b></p> <p>Multiply – show working out.</p> $\begin{array}{r} 0.23 \\ \times 0.17 \\ \hline \end{array}$	<p><b>6. Algebraic Expressions</b></p> <p>Simplify</p> <p>a) <math>8gf - 4gf</math></p> <p>b) <math>6x \times 3y</math></p> <p>c) <math>4a + 5a - a</math></p>
<p><b>7. Measurement</b></p> <p>Find the perimeter. Hint: Use Pythagoras' Theorem first.</p> 	<p><b>8. Geometry</b></p> <p>How many quadrilaterals are in this diagram?</p> 	<p><b>9. Statistics</b></p> <p>During which month, between October 2009 and March 2010, did Australians have the least change in petrol prices?</p> 