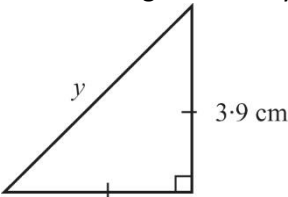


<p>1. Pythagoras' Theorem Find the length of the hypotenuse.</p> 	<p>2. Fractions a) Add and simplify</p> $\frac{2}{5} + \frac{6}{7}$ <p>b) Change to an improper fraction</p> $2\frac{1}{3}$	<p>3. Statistics State whether the following data is categorical, ordinal, or numerical.</p> <p>a) The month of birth</p> <p>b) The number of loaves of bread sold in a day at a particular supermarket</p> <p>c) The income of a group of employees.</p>
<p>4. Trigonometry (3) A building 20m high casts a shadow that is 7.5 m long. Calculate the angle of elevation of the sun.</p>	<p>5. Solving Equations Solve for x in each of the following</p> <p>a) $\frac{x}{6} = 3$</p> <p>b) $5x = 4x - 17$</p>	<p>6. Geometry- Draw the net of a cylinder.</p>
<p>7. Indices</p> <p>Simplify $\frac{16c^5}{8c^3}$</p>	<p>8. Financial Arithmetic</p> <p>Find the simple interest if \$7000 is invested at 4% p.a. for 3 years.</p>	<p>9. Expand the bracket</p> $3(2p + q)$
<p>10. Measurement - Surface Area Find the surface area of the shape below. Hint: there are 5 sides.</p> 