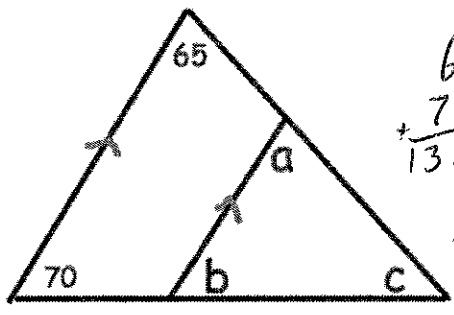


Name: _____

December 18th	5-a-day	Numeracy
<p>Write 25% as a decimal</p> <p>0.25</p>	<p>Write $\frac{3}{4}$ as a percentage</p> <p>75%</p>	
<p>Choose the most suitable metric unit for:</p> <p>(a) The weight of an aircraft</p> <p>tonnes (kilograms)</p>	<p>(b) The length of an aircraft.</p> <p>metres</p>	
<p>Peyton is doing sit-ups.</p> <p>She does 7 sit-ups every ten seconds.</p> <p>How many sit-ups does she do in two minutes?</p>	<p>$10 \times \underline{12} = 120$ $12 \times 7 = \underline{84}$</p>	
<p>Work out $377 + 48$</p> <p>425</p>	<p>Work out $308 - 148$</p> <p>160</p>	
<p>Another square has the same value of area as the value of its perimeter.</p> <p>Find the length of a side of the square.</p> <p>4cm</p>		

Name: _____

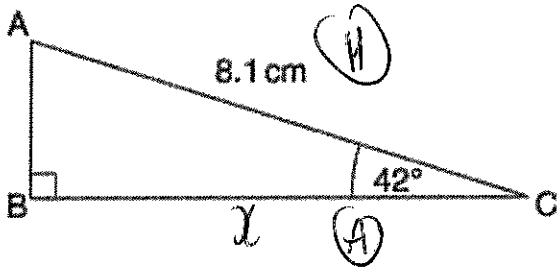
December 18	5-a-day	Foundation
<p>Draw a stem and leaf for:</p> <p>29 31 29 28 27 30 36 41 18 25</p>	<p>key 1/8 means 18</p> <pre> 1 8 2 5 7 8 9 9 3 0 1 6 4 1 </pre>	
<p>Expand</p> <p>$5(2y + 1)$</p> <p>$10y + 5$</p>	<p>Expand</p> <p>$-3(2x - 5)$</p> <p>$-6x + 15$</p>	
<p>There was 50 club members in June and 70 club members in October.</p> <p>What was the percentage increase?</p>	<p>$\frac{20}{50} \times 100 = 40\%$</p>	
 <p>Handwritten calculations:</p> $\begin{array}{r} 65 \\ + 70 \\ \hline 135 \end{array}$ $\begin{array}{r} 180 \\ - 135 \\ \hline 45 \end{array}$	<p>Find the size of a, b and c</p> <p>$a = 65^\circ$ $b = 70^\circ$ $c = 45^\circ$</p>	
<p>What fraction is halfway between</p> <p>$\frac{2}{5}$ and $\frac{8}{15}$</p>	<p>$\frac{2}{5} + \frac{8}{15} = \frac{6}{15} + \frac{8}{15} = \frac{14}{15}$</p> <p>$\frac{14}{15} \div 2 = \frac{7}{15}$</p>	

Name: _____

December 18

5-a-day

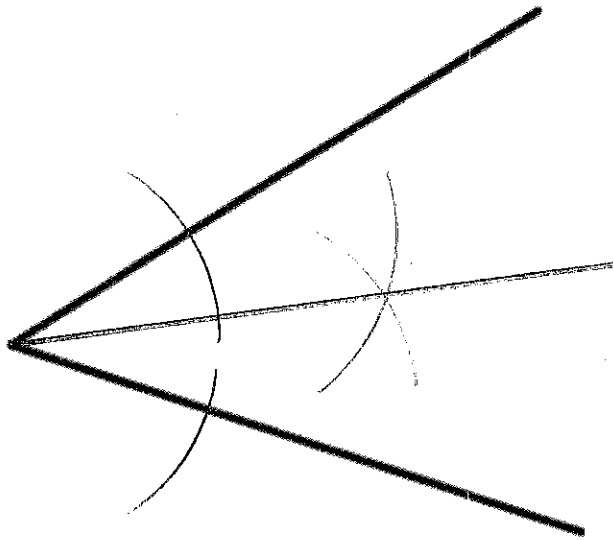
Higher



Find BC.

$$\cos 42 = \frac{x}{8.1}$$

$$x = 8.1 \times \cos 42$$



Construct the angle bisector.

Make w the subject of

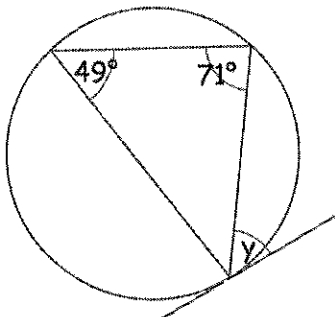
$$5(w - 2a) = 3w + 7$$

$$5w - 10a = 3w + 7$$

$$2w - 10a = 7$$

$$2w = 10a + 7$$

$$w = \frac{10a + 7}{2}$$



Shown is a tangent to a circle.

Find y and give a reason for your answer.

$$y = 49^\circ$$

Alternate segment theorem.