
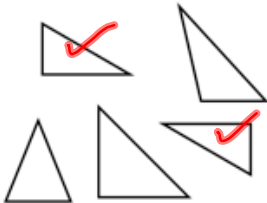


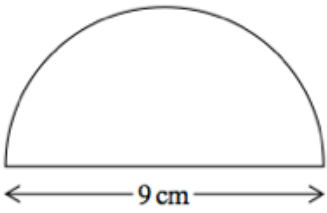
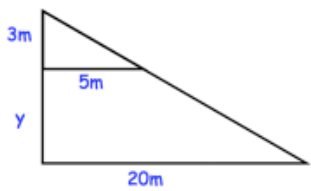
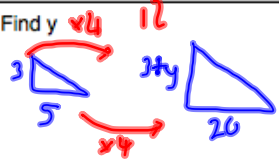
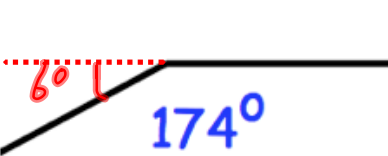
Name: _____

October 30th	5-a-day	Numeracy
<p>A race lasted 482 seconds.</p> <p>Write 482 correct to the nearest 100.</p> <p style="text-align: center; color: red;">500</p>	<p>Write 482 seconds in minutes and seconds.</p> <p>Minutes <u>8</u> Seconds <u>2</u></p>	
<p>How many weeks are there in 3 years?</p> <p style="text-align: center; color: red;">$52 \times 3 = 156$</p>	<p>How many years is it from 1972 to 2014?</p> <p style="text-align: center; color: red;"> $\begin{array}{r} 2014 \\ - 1972 \\ \hline 42 \end{array}$ </p>	
<p>Amie sells cars.</p> <p>She is paid £9 an hour and is paid a £50 bonus for each car sold.</p> <p>One week, Amie worked for 6 hours and sold 3 cars.</p>	<p>How much was her pay?</p> <p style="text-align: center; color: red;"> $\begin{array}{r} 6 \times £9 = £54 \\ £50 \times 3 = £150 \\ \hline £204 \end{array}$ </p>	
	<p>The next week, Amie was paid £295.</p> <p>How many hours did she work and how many cars did she sell?</p> <p>Hours <u>5</u> Cars <u>5</u></p>	
	<p>Tick the triangles that are congruent.</p>	

Name: _____

October 30	5-a-day	Foundation
<p>Work out 5% of 24</p> $10\% = 2.4$ $5\% = 1.2$		
<p>Write 100 as a product of primes.</p> $\begin{array}{c} \uparrow \\ 2 \mid 50 \\ \uparrow \\ 2 \mid 25 \\ \uparrow \\ 5 \mid 5 \end{array}$	$2 \times 2 \times 5 \times 5$ $2^2 \times 5^2$	
<p>The sum of Claire and Hannah's ages is 65.</p> <p>If their ages are in the ratio 2:3.</p> <p>How old is Claire?</p>	$2+3=5$ $65 \div 5 = 13$ $13 \times 2 = \underline{26}$	
<p>How far does a motorist travel if his speed is 60mph for 4 hours and 15 minutes?</p> $d = s \times t$ $d = 60 \times 4.25$	255 miles	
<p>Simplify $5w \times 4w \times 2w$</p> $40w^3$		

Name: _____

October 30	5-a-day	Higher
<p>Solve:</p> $3(4x - 9) = 2x + 30$ $12x - 27 = 2x + 30$ $10x - 27 = 30$	$10x = 57$ $x = 5.7$	
	<p>Calculate the area</p> $(\pi \times 4.5^2) \div 2$ $= 31.8086 \text{ cm}^2$	
	<p>Find y</p>  $3 + y = 12$ $y = 9$	
<p>The speed of a particle is 8.2×10^5 m/s</p> <p>How far does it travel in a day?</p> $\text{Seconds in a day} = 86400$	<p>Give your answer in kilometres and in standard form.</p> $d = s \times t$ $d = 8.2 \times 10^5 \times 8.64 \times 10^4$ $d = 7.0848 \times 10^{10}$	
	<p>Shown is part of a regular polygon. How many sides does it have?</p> $360^\circ \div 6 = 60 \text{ sides}$	