
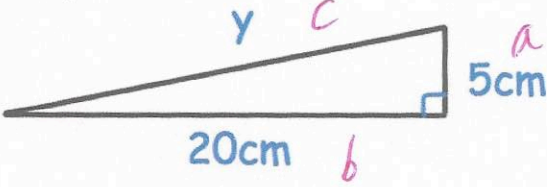


13th February		 Corbettmaths
<p>Mrs Griffiths buys a car for £1400. She sells it for £1850.</p> <p>Work out her percentage profit.</p> $\frac{1850 - 1400}{1400} \times 100$	$3d = 14\%$	
<p>Find y</p> 	$5^2 + 20^2 = y^2$ $25 + 400 = y^2$ $425 = y^2$ $y = 20.6155 \text{ cm}$	
<p>Find the circumference of a circle with radius 4cm.</p> $C = \pi \times d$ $\pi \times 8$ $= 25.13 \text{ cm}$	<p>Find the radius of a circle with circumference 2m. 200cm.</p> $C = \pi \times d$ $200 = \pi \times d$ $d = \frac{200}{\pi} = 63.66..$ $r = 31.83 \text{ cm}$	
<p>Line 1 has equation $y = 5x + 2$</p> <p>Write down the equation of a line parallel to Line 1.</p>	$y = 5x + 3$ $y = 5x - 1 \quad \text{etc}$	
<p>Simplify</p> $\frac{a^{1/5} \times a^{2/3}}{a^{3/5}}$	$\frac{1}{5} + \frac{2}{3}$ $\frac{3}{15} + \frac{10}{15} = \frac{13}{15}$ $\frac{a^{13/15}}{a^{3/5}}$	
	$\frac{13}{15} - \frac{3}{5}$ $\frac{13}{15} - \frac{9}{15} = \frac{4}{15}$ $a^{4/15}$	