

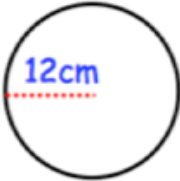


April 6th	5-a-day	Numeracy
	<p>What number is the arrow pointing to?</p> <p>2.4</p>	
	<p>What number is the arrow pointing to?</p> <p>2.68</p>	
<p>Round 7.289 to the nearest whole number.</p> <p>7</p>	<p>Round 8.271 to 1 decimal place.</p> <p>8.3</p>	
<p>Write 0.19 as a fraction</p> $\frac{19}{100}$		
<p>52% students in a school are boys.</p> <p>What percentage are girls?</p> <p>48%</p>	<p>There are 550 students in the school.</p> <p>286</p> <p>How many boys are there?</p> $50\% = 275$ $19\% = 5.5$ $1\% = 5.5$	

April 6th	5-a-day	Foundation
$\frac{3}{4} + \frac{4}{5} = \frac{15}{20} + \frac{16}{20} = 1\frac{11}{20}$	$\frac{31}{20}$	
	$24 \times \pi = 75.4 \text{ cm}$	Calculate the circumference
<p>Solder is made from tin and lead.</p> <p>The ratio of tin to lead is 1:2</p> <p>Work out the weight of tin and lead in 120g of solder</p>	$1+2=3$ $120 \div 3 = 40$ <p>tin = <u>40</u> g</p> <p>lead = <u>80</u> g</p>	
<p>What weight of solder contains 25g of tin?</p> <p>25g tin 50g lead</p>	<p>75g</p>	
<p>Solve</p> $4(x-3) = 7x - 10$	$4x - 12 = 7x - 10$ $-12 = 3x - 10$ $-2 = 3x \quad x = -\frac{2}{3}$	

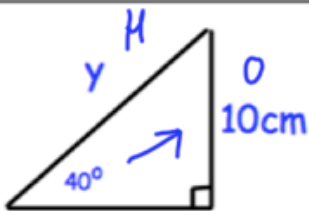
April 6

5-a-day

Higher

What is the size of each exterior angle of a regular 12 sided polygon?

$$360 \div 12 = 30^\circ$$



Find y

$$\frac{10}{\sin 40} = 15.6 \text{ cm}$$

y is directly proportional to the cube root of x.

When y = 100, x = 125.

Find y when x = 27

$$y \propto \sqrt[3]{x}$$

$$y = k \times \sqrt[3]{x}$$

$$100 = k \times \sqrt[3]{125}$$

$$100 = k \times 5$$

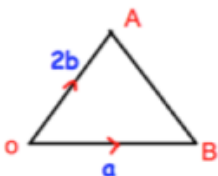
$$k = 20$$

$$y = 20 \times \sqrt[3]{x}$$

$$y = 20 \times \sqrt[3]{27}$$

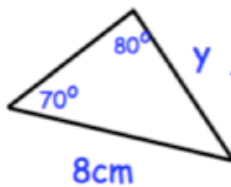
$$y = 20 \times 3$$

$$y = 60$$



What is the vector BA?

$$\underline{2b} - \underline{a}$$



Calculate y

$$\frac{8}{\sin 80} = \frac{y}{\sin 70}$$

$$y = \frac{8 \sin 70}{\sin 80} = 7.63 \text{ cm}$$