

June 1st	5-a-day	Numeracy
<p>The numbers 1 to 12 inclusive are placed in a hat. John takes a number out of the bag at random.</p> <p>What is the probability it is a 5?</p>	<p>What is the probability it is an odd number?</p>	$\frac{1}{2}$
<p>Increase £8 by 10%</p>	<p>Increase £8 by 15%</p>	
<p>Write down £1 as a fraction of £5</p>	<p>Write that answer as a percentage</p>	
<p>Work out 10 cubed</p>		
<p>Work out 420 - 168</p>		

$$\frac{1}{12}$$

$$10\% = 80p$$

$$£8.80$$

$$10\% = 80p$$

$$5\% = 40p$$

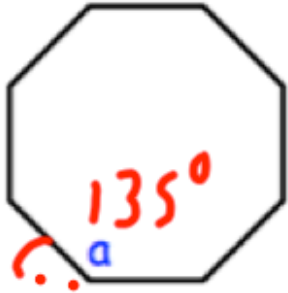

$$£9.20$$

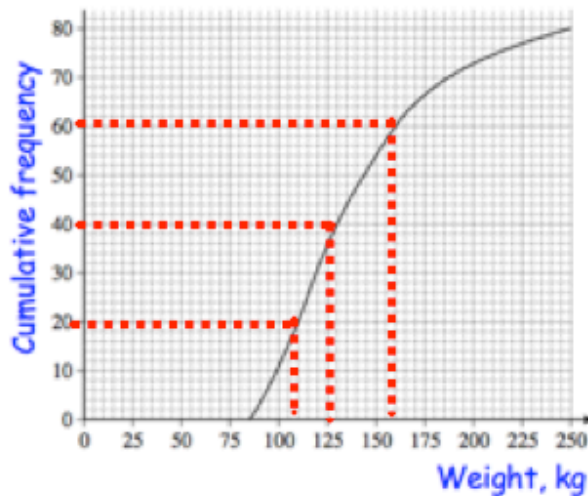
$$\frac{1}{5}$$

$$20\%$$

$$10^3 = 10 \times 10 \times 10 = 1000$$

$$\begin{array}{r} 3 \text{ } \overset{1}{\cancel{4}} \overset{1}{\cancel{2}} \overset{1}{\cancel{0}} \\ - 168 \\ \hline 252 \end{array}$$

June 1st	5-a-day	Foundation
$\frac{2}{5} + \frac{2}{3}$	$\frac{6}{15} + \frac{10}{15} = \frac{16}{15}$ $= 1\frac{1}{15}$	
<p>Find the value of</p> $5c + 4$ <p>when</p> $c = -3$	$5 \times -3 + 4$ $= -15 + 4$ $= -11$	
<p>The ratio of students to adults on a trip is 13:2</p> <p>If there are 10 adults, how many students are there?</p>		$10 \div 2 = 5$ $5 \times 13 = 65$
<p>Shown is a regular octagon.</p> <p>Find a</p>	$360 \div 8 =$ 45°	
	$\pi \times 3^2 = 28.27$ $197.9 \div 28.27 =$	<p>The volume of a can of beans is 197.9cm³</p> <p>The radius of the can is 3cm</p> <p>What is the height of the can?</p> $= 7 \text{ cm}$



The cumulative frequency diagram shows the weight of 80 animals

What is the median?

125 kg

What is the interquartile range?

Approximately

$$155 - 105 = 50 \text{ kg}$$

Kelly plays a game. The probability of winning is 0.3.

She plays the game twice.

What is the probability she wins at least once.

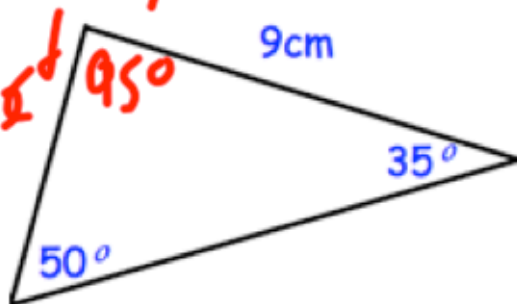
0.51

$$WW \quad 0.3 \times 0.3 = 0.09$$

$$WL \quad 0.3 \times 0.7 = 0.21$$

$$LW \quad 0.7 \times 0.3 = 0.21$$

0.51



Calculate the area of the triangle.

$$\text{Area} = \frac{1}{2} ab \sin C$$

$$\frac{1}{2} (9) (6.739) \sin 95$$

$$= 30.21 \text{ cm}^2$$

$$\frac{x}{\sin 35} = \frac{9}{\sin 50}$$

$$x = 6.7387577..$$