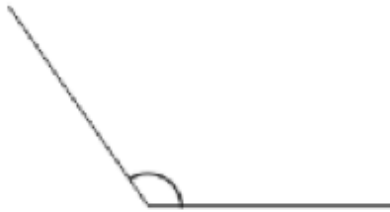


March 15th

5-a-day

Numeracy



What type of angle is shown?

Obtuse

Work out $91 + 35$

$$\begin{array}{r} 91 \\ + 35 \\ \hline 126 \end{array}$$

Work out $830 - 318$

$$\begin{array}{r} 830 \\ - 318 \\ \hline 512 \end{array}$$

Work out 14×18

$$\begin{array}{r} 18 \\ \times 14 \\ \hline 72 \\ + 180 \\ \hline 252 \end{array}$$

Work out $444 \div 6$

$$6 \overline{) 444} \begin{array}{l} 074 \\ 444 \\ \hline \end{array}$$

9.3×100

$$930$$

$53 \div 100$

$$0.53$$

Work out $12.6 - 3.14$

$$\begin{array}{r} 12.60 \\ - 3.14 \\ \hline 9.46 \end{array}$$

$$9.46$$

March 15th

5-a-day

Foundation

Nicky and Marty share £60 in the ratio 2:3.

How much do they each receive?

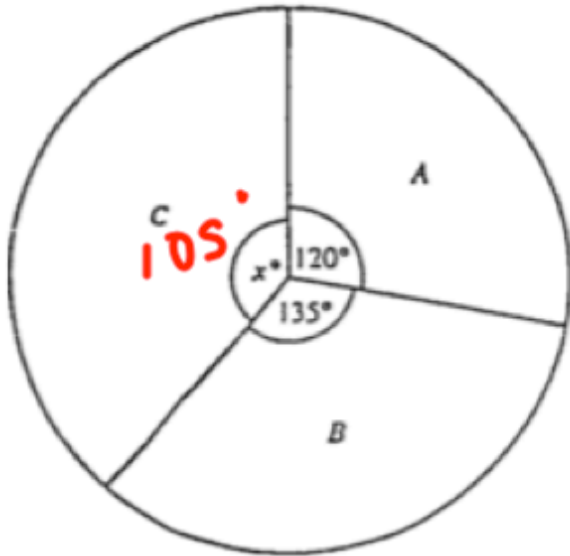
£24 £36

$$2+3=5$$

$$60 \div 5 = 12$$

$$12 \times 2 = 24$$

$$12 \times 3 = 36$$



What fraction of people liked food B?

$$\frac{135}{360} = \frac{3}{8}$$

If 24 people liked food A, how many liked C?

$$\frac{24}{1} = \frac{120^\circ}{5^\circ}$$

$$105^\circ \div 5 = 21 \text{ people}$$

Factorise fully

$$12ac + 20af$$

$$4a(3c + 5f)$$

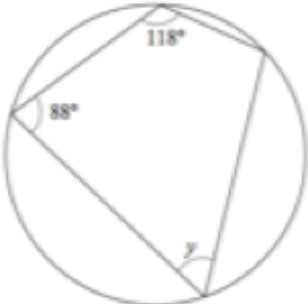
A decagon has 10 sides.

Calculate the size of each angle in a regular decagon

$$144^\circ$$

$$(10-2) \times 180 = 1440^\circ$$

$$1440 \div 10 = 144^\circ$$

March 15th	5-a-day	Higher
<p>State if each expression is a length, area or volume</p> <p>$\frac{1}{2}(a+b)h$</p> <p style="text-align: center; color: red;">Area</p>	<p>abh</p> <p style="text-align: center; color: red;">Volume</p>	
<p>$a+b$</p> <p style="text-align: center; color: red;">length</p>		
	<p>Calculate the size of y</p> <p style="color: red;">$118 + y = 180$</p> <p style="color: red;">$y = 62^\circ$</p>	
<p>Ashley takes two cubes out of a bag, without replacement. There are 5 red, 3 blue and 2 green cubes.</p> <p>What is the probability he picks two red cubes?</p>	<p style="color: red;">$\frac{5}{10} \times \frac{4}{9} = \frac{20}{90}$</p> <p style="color: red;">$\frac{2}{9}$</p>	
<p>A number is increased by 10% The answer is decreased by 10%.</p> <p>Is the final number smaller, the same as or larger than the starting number?</p> <p style="text-align: center; color: red;">Smaller</p>	<p>What is the overall percentage change?</p> <p style="color: red;">$100 \times 1.1 = 110$</p> <p style="color: red;">$110 \times 0.9 = 99$</p> <p style="color: red;">1% smaller</p>	