

Work out the product of 11 and 6

$11 \times 6$

$= 66$

Work out the difference between 80 and 35

$\begin{array}{r} 80 \\ - 35 \\ \hline 45 \end{array}$

Work out  $\frac{2}{5}$  of 20

$20 \div 5 = 4$

$4 \times 2 = 8$

David runs for 330 seconds.

How many minutes is this?

5 minutes 30 seconds

$\begin{array}{r} 60 \\ 120 \\ 180 \\ 240 \\ 300 \\ 360 \end{array}$

Max earns £220 per week.

He is given an increase of 10%.

What is his new salary?

$10\% = £22$

$£242$

	French	German
Male	14	21
Female	7	8
	21	29

There are twice as many boys studying French than girls.

The total number of students is 50.

Find the missing numbers.

Expand and simplify

$$(x + 5)(x + 3)$$



$$x^2 + 3x + 5x + 15$$

$$x^2 + 8x + 15$$

Add together

$$\frac{1}{5} \quad \frac{3}{10} \quad \frac{1}{4}$$

$$\frac{4}{20} + \frac{6}{20} + \frac{5}{20}$$

$$\frac{15}{20} = \frac{3}{4}$$

Accurate  
version

A house is 700m from the church.  
It is on a bearing of  $300^\circ$  from the church  
Mark with a X the position of the house

An oil drum has height 50cm and  
radius 10cm. Calculate the volume of  
the oil drum.

$$\pi \times 10^2 \times 50$$

$$= 15707.96 \text{ cm}^3$$



January 22

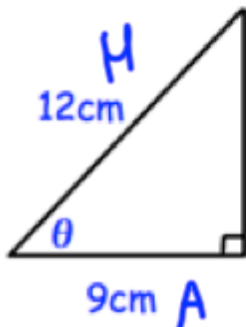
5-a-day

Higher

Calculate the distance between (3, 8) and (5, 0).

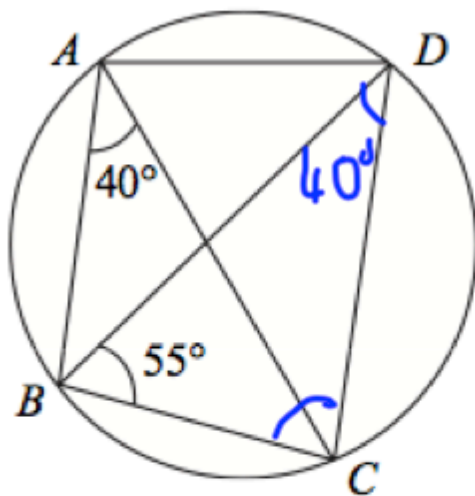


$$\begin{aligned} & \sqrt{2^2 + 8^2} \\ &= \sqrt{68} \\ &= 8.246\dots \end{aligned}$$



Find the angle  $\theta$

$$\begin{aligned} \cos \theta &= \frac{9}{12} \\ \theta &= 41.41^\circ \end{aligned}$$



Find angle BDC.

$$40^\circ$$

Find angle BCD.

$$\begin{aligned} &= 40 + 55 = 95 \\ &180 \\ &- 95 \\ \hline &85 \end{aligned} \quad 85^\circ$$

Sketch  $y = \sin x$  for  $0 < x < 360$ .

