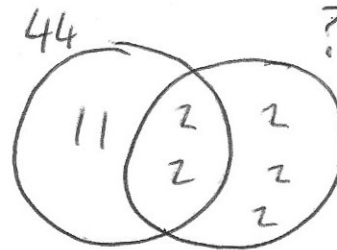




The LCM of two numbers is 352
 The HCF of the numbers is 4.
 One of the numbers is 44.

Find the other number.

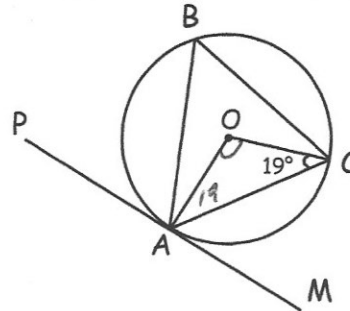
32



PM is a tangent to the circle at A.
 Find the size of angle CAM.

$$180 - 19 - 19 = 142$$

$$142 \div 2 = 71^\circ$$



The table below shows the probabilities of a spinner landing on its four different colours.

Colour	Red	White	Black	Brown
Probability	$x + 0.3$	x	$2x$	$x + 0.1$

$$5x + 0.4 = 1$$

$$5x = 0.6 \quad x = 0.12$$

The spinner is spun twice.

Find the probability that the spinner landed on black twice.

$$0.24 \times 0.24$$

$$= 0.0576$$

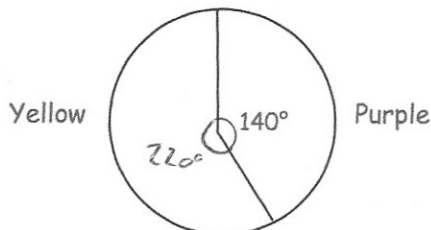
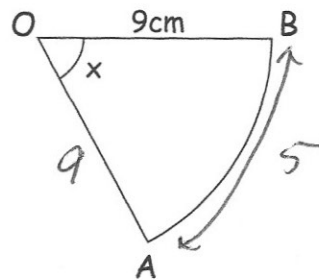
The perimeter of sector OAB is 23cm.

Find x

$$23 - 9 - 9 = 5$$

$$\frac{x}{360} \times \pi \times 18 = 5$$

$$x = 31.83^\circ$$



In an election there are two parties to vote for, the Yellow party or the Purple party.

6124 more people voted for the Yellow party than the Purple party.

Work out the total number of voters

80° represents 6124 votes

1° represents 76.55 votes

360° represents 27558 votes