

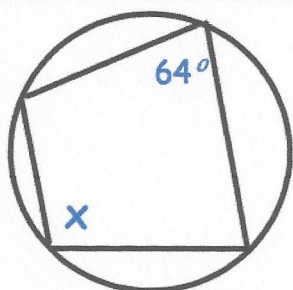
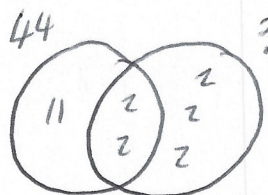
13th August



Corbettmaths

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



Find x

$$180 - 64 = 116^\circ$$

Number of goals	0	1	2	3
Probability	0.4	0.3	0.2	0.1

What is the probability David scores 5 or more goals in two consecutive games?

$$P(2,3) = 0.2 \times 0.1 = 0.02$$

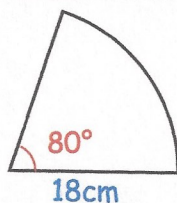
$$P(3,2) = 0.1 \times 0.2 = 0.02$$

$$P(3,3) = 0.1 \times 0.1 = 0.01$$

$$0.05$$

Calculate the perimeter of this sector, give your answer in terms of pi

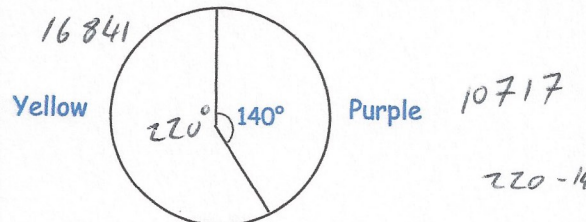
$$8\pi + 36 \text{ cm}$$



$$\frac{80}{360} \times \pi \times 36$$

$$\frac{2}{9} \times \pi \times 36$$

$$8\pi$$



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

$$220 - 140 = 80^\circ$$

$$80^\circ = 6124 \text{ votes}$$

$$27558$$

$$6124 \div 8 = 765.5$$

$$765.5 \times 14 = 10717$$

$$765.5 \times 22 = 16841$$