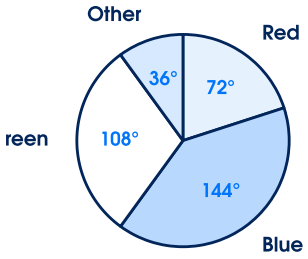
GCSE FOUNDATION · REVISION MAT 5

Pie charts

1 The pie chart shows how 40 people travel to work.



How many people chose Red?

2 The table shows some data.

Win	Draw	Lose
14	8	14

Work out the angle for each sector of a pie chart.

3 Class A and class B each drew a pie chart of how they travel to school.
The sector for walking is bigger in class A's pie chart.

Jo says more students walk in class A.

Explain why Jo might be wrong.

4 45 people were asked how they travel. 10 said Bike.

Show that the angle for Bike in a pie chart is 80°.

5 In a pie chart, the angle for Car is 135°. This represents 27 people.

The angle for Bus is 75°.

(a) How many people are in the survey?

(b) How many chose Bus?

6 In a pie chart about favourite sports, the angle for Golf is 36°.

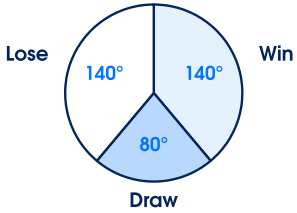
What percentage of people chose Golf?

Mr&Mrs MATHS

1 72 ÷ 360 × 40 = **8**

2 Each person = 360 ÷ 36 = 10°

Win **140°**, Draw **80°**, Lose **140°**



3 A pie chart shows proportions, not numbers.

If class B has many more students, more of them could walk even with a smaller sector.

ANSWERS · REVISION MAT 5

Pie charts

4 10 ÷ 45 × 360 = **80°** ✓

5 135° = 27, so 1° = 0.2

(a) 360 × 0.2 = **72**

(b) 75 × 0.2 = **15**

6 36 ÷ 360 × 100 = **10%**