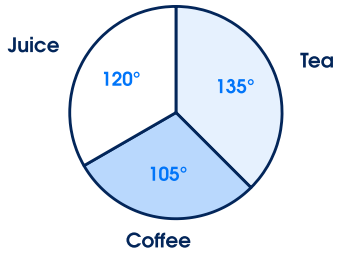
GCSE FOUNDATION · REVISION MAT 2

Pie charts

1 The pie chart shows how 72 people travel to work.



How many people chose Tea?

2 The table shows some data.

Apple	Banana	Pear	Grape
9	6	3	12

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 90 people were asked how they travel. 15 said Car.

Show that the angle for Car in a pie chart is 60°.

5 In a pie chart, the angle for Pizza is 90°. This represents 18 people.

The angle for Pasta is 140°.

(a) How many people are in the survey?

(b) How many chose Pasta?

6 In a pie chart about favourite sports, the angle for Swimming is 126°.

What percentage of people chose Swimming?

Mr&Mrs MATHS

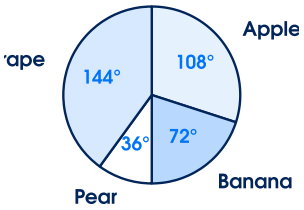
ANSWERS · REVISION MAT 2

Pie charts

1 135 ÷ 360 × 72 = **27**

2 Each person = 360 ÷ 30 = 12°

Apple **108°**, Banana **72°**, Pear **36°**, Grape **144°**



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.

4 15 ÷ 90 × 360 = **60°** ✓

5 90° = 18, so 1° = 0.2

(a) 360 × 0.2 = **72**

(b) 140 × 0.2 = **28**

6 126 ÷ 360 × 100 = **35%**