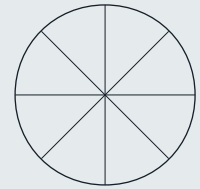


Pie charts and proportional representation

WHAT THIS LESSON TEACHES

A **pie chart** shows parts of a whole as slices of a circle. The whole circle is 360° , so each part's slice is its fraction of 360° .

→ Half the data → a 180° slice; a quarter → 90° .



Favourite sport

MODEL THIS ON THE BOARD

IN A PIE CHART, $\frac{1}{4}$ OF PUPILS CHOSE FOOTBALL. WHAT'S ITS ANGLE?

- 1 The whole circle is 360° .
- 2 $\frac{1}{4}$ of $360^\circ = 90^\circ$.

ANSWER KEY

W1: $\frac{3}{4}$

Q2: 60°

W2: $\frac{3}{8}$

Q3: 142°

Q1: 216°

Q4: 136°

EXTENSION SHEET · STRETCH ANSWERS

S1: 164°

S3: 90°

S2: 216°