

Have a go at these arithmetic calculations.

1. $4 \times 3 \times 10 =$

2. $63 + 276 =$

3. $430,010 = 400,000 + \boxed{} + 10$

4. $666 \div 18 =$



Lesson 1

Learning Question:

Can I interpret and construct pie charts and use these to solve problems?

Success Criteria:

- Understand what a pie chart is
- Convert data into degrees
- Divide circle (pie chart) into correct size segments
- Label segments with percentage figures if possible
- Colour pie chart (not always necessary)
- Create key to show what each segment represents



Personal Target: What are you going to focus on today?

Vocabulary

Pie chart

Percentage

Sector

Segment

Data

Interpret

Construct

How do you construct a pie chart?

Converting to Degrees

Step 1:

Add up and get the total (40)

Step 2:

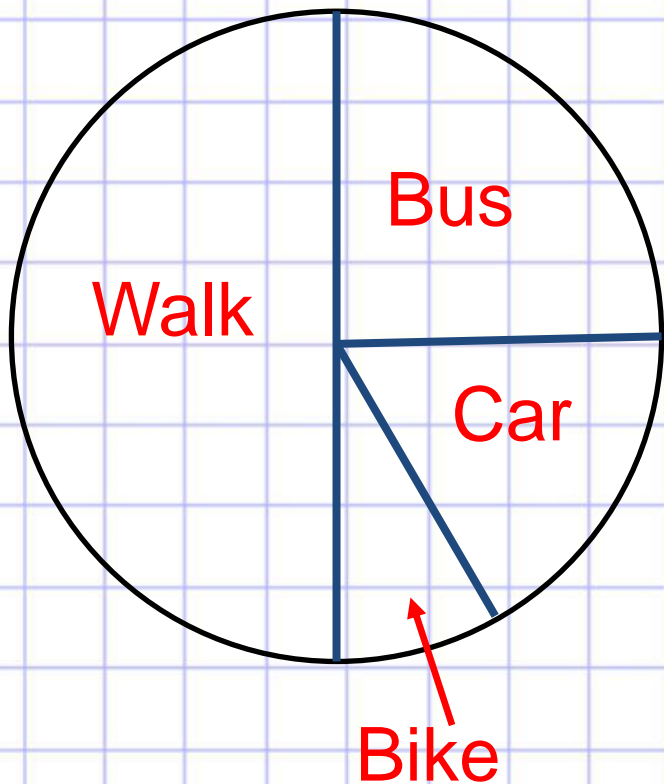
÷ 360 by total (9)

This will give you how many degrees = 1 (1 = 9°)

Step 3: x each amount by that number (9)

WALK	20	$\times 9 = 180$
BUS	10	$10 \times 9 = 90$
BIKE	3	$3 \times 9 = 27$
CAR	7	$7 \times 9 = 63$
TOTAL	40	

Once you have worked out the degrees, draw a circle and divide into segments, using a protractor if you have one.



$$\text{Walk} = 180^\circ$$

$$\text{Bus} = 90^\circ$$

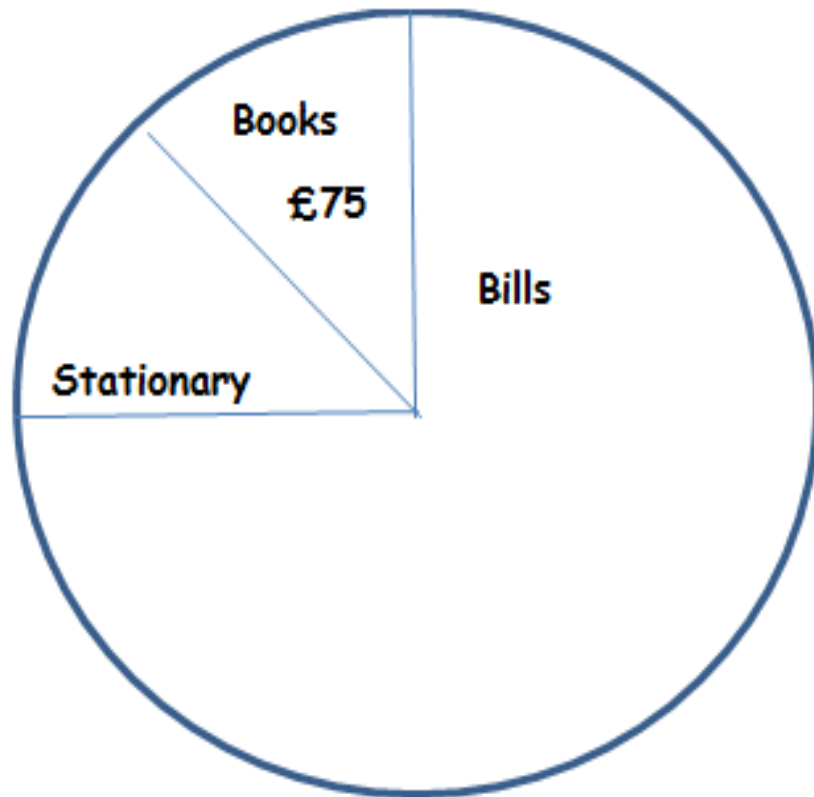
$$\text{Car} = 63^\circ$$

$$\text{Bike} = 27^\circ$$

Your task:

Complete worksheet – Constructing pie charts.

Plenary:



This pie chart shows what a school spent their money on in one term.

Approximately how much money was spent in total?