

Lesson 53 MEASURES

Perimeter – the distance around a shape (add the sides)

WHAT THIS LESSON TEACHES

The perimeter is the whole distance around the outside edge of a flat shape. You find it by adding the length of every side, going right around once and missing no side.

→ A copybook cover 30 cm long and 21 cm wide: $30 + 21 + 30 + 21 = 102$ cm.

→ A triangle with sides 12 cm, 15 cm and 9 cm has a perimeter of $12 + 15 + 9 = 36$ cm.

MODEL THIS ON THE BOARD

PERIMETER OF A RECTANGLE

- ① A rectangular shelf is 40 cm long and 25 cm wide.
- ② A rectangle has four sides: 40 cm, 25 cm, 40 cm and 25 cm.
- ③ Add every side: $40 + 25 + 40 + 25 = 130$.

$$\begin{array}{r} 40 \\ 25 \\ 40 \\ + 25 \\ \hline 130 \end{array}$$

DISCUSSION STARTER

REFLECT

For rectangles, did you add all four sides or double the length-plus-width? Which felt clearer?

ANSWER KEY

a) 64 cm

b) 57 cm

c) 130 cm

Q1: 46 cm

a) Always — The perimeter is by definition the total of all the outside sides.

b) Always — A triangle has exactly three sides, so you add all three.

c) Never — Every side on the outside edge must be counted, including the inside steps.

d) Always — $30 + 21 + 30 + 21 = 102$ cm.

EXTENSION SHEET · STRETCH ANSWERS

S1: 44 m

S2: 38 m

S3: 36 cm

S4: 55 cm

S5: 66 m