

Perimeter – the distance all the way around

WHAT THIS LESSON TEACHES

The perimeter is the distance all the way around the edge of a flat shape. You find it by adding the length of every side once.

→ A square with each side 4 cm has perimeter $4 + 4 + 4 + 4 = 16$ cm.

→ A triangle with sides 3 cm, 4 cm and 5 cm has perimeter $3 + 4 + 5 = 12$ cm.

MODEL THIS ON THE BOARD

PERIMETER OF A BUILT RECTANGLE

- 1 A builder makes a rectangular frame with sides 5 cm, 3 cm, 5 cm and 3 cm.
- 2 Touch and add the first side: 5
- 3 Add the next side: $5 + 3 = 8$
- 4 Add the third side: $8 + 5 = 13$
- 5 Add the last side: $13 + 3 = 16$
- 6 The perimeter is 16 cm all the way around.

ANSWER KEY

a) 16 cm

b) 16 cm

c) 12 cm

Q1: 28 cm

Q2: 8 cm

Q3: 15 cm

a) Always — Perimeter means the total distance all the way around so every side is added once.

b) Always — Four equal sides of 4 cm give $4 + 4 + 4 + 4 = 16$ cm.

c) Sometimes — This works only for regular shapes where all sides are equal.

d) Never — Missing any side makes the total too small so it is never correct.

EXTENSION SHEET · STRETCH ANSWERS

S1: 36 cm

S2: 44 m

S3: 77 m

S4: 76 m

S5: 84 m