

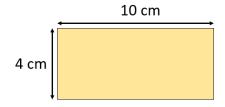


| Year 5 | Black 8 | Unit: Perimeter and area | | | | | | | |
|-----------------|-----------|--------------------------|---------|--|--|--|--|--|--|
| Key Vocabulary: | | | | | | | | | |
| metre | kilometre | perimeter | length | | | | | | |
| width | rectangle | rectilinear | polygon | | | | | | |

What will I know by the end of this unit?

Perimeter of rectangles:

How many ways can you find the perimeter?



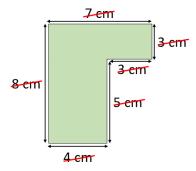


$$10 \text{ cm} + 4 \text{ cm} = 14 \text{ cm}$$

$$14 \text{ cm} \times 2 = 28 \text{ cm}$$

Perimeter of rectilinear shapes:

Work out the perimeter of the rectilinear shape.

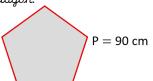


7 cm + 3 cm + 3 cm + 5 cm + 4 cm + 8 cm = 30 cm

Perimeter of polygons:

The perimeter of a regular pentagon is 90 cm. Work out the length of one side of the pentagon.

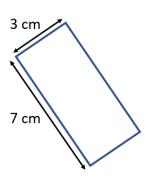
18 cm



| 90 | ÷ | 5 | = | 18 |
|----|---|---|---|----|
| | | | | |

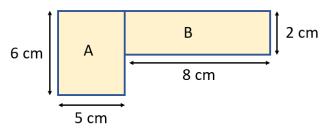
| 90 cm | | | | | | |
|-------|----|----|----|----|--|--|
| 18 | 18 | 18 | 18 | 18 | | |

Area of rectangles:



$$3 \times 7 = 21 \text{ cm}^2$$

Area of compound shapes:

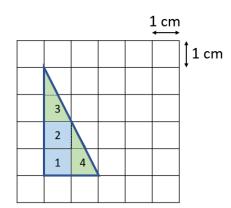


A
$$6 \times 5 = 30 \text{ cm}^2$$

B
$$2 \times 8 = 16 \text{ cm}^2$$

$$30 \text{ cm}^2 + 16 \text{ cm}^2 = 46 \text{ cm}^2$$

Estimate area:



Estimate the area of this shape.