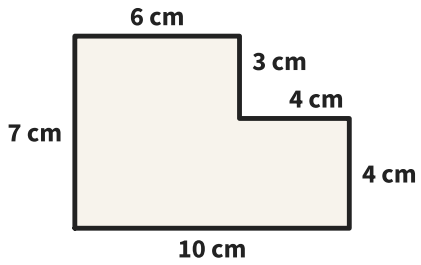
Perimeter of compound shapes

ANSWERS

1

Find the perimeter of the shape.

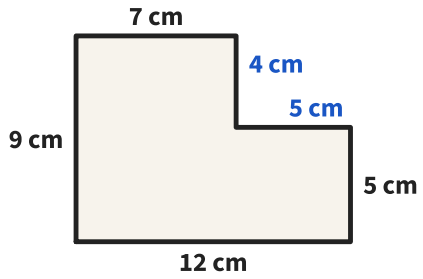


10 + 4 + 4 + 3 + 6 + 7 = 34

Perimeter 34 cm

2

Work out the two sides marked ?.
Then find the perimeter.



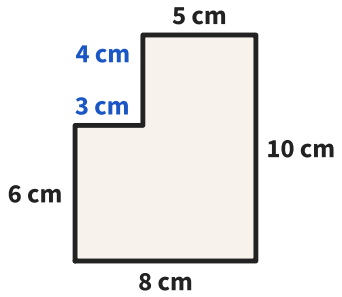
12 − 7 = 5, 9 − 5 = 4

12 + 5 + 5 + 4 + 7 + 9 = 42

Perimeter 42 cm

3

Find the perimeter of the shape.



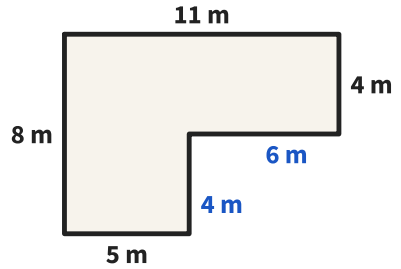
10 − 6 = 4, 8 − 5 = 3

8 + 10 + 5 + 4 + 3 + 6 = 36

Perimeter 36 cm

4

Find the perimeter of the shape.



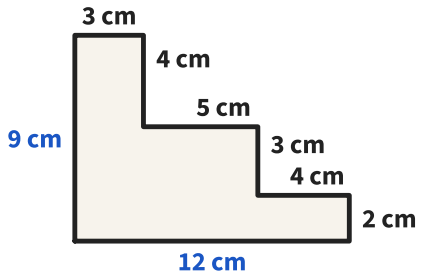
11 − 5 = 6, 8 − 4 = 4

11 + 4 + 6 + 4 + 5 + 8 = 38

Perimeter 38 m

5

Find the perimeter of the shape.



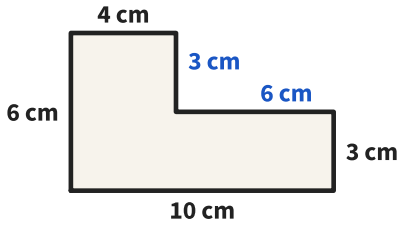
4 + 5 + 3 = 12, 2 + 3 + 4 = 9

12 + 2 + 4 + 3 + 5 + 4 + 3 + 9 = 42

Perimeter 42 cm

6

Ravi says the perimeter is
10 + 3 + 4 + 6 = 23 cm. Explain his mistake.
Then find the right perimeter.



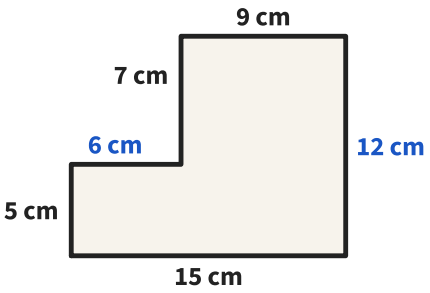
He only added 4 of the 6 sides.

23 + 6 + 3 = 32

Perimeter 32 cm

7

Ribbon goes all the way round the edge of this card. How much ribbon is needed?



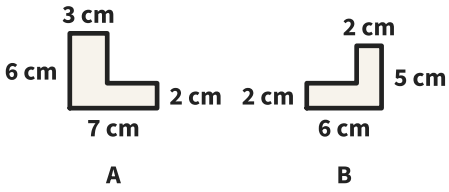
5 + 7 = 12, 15 − 9 = 6

15 + 12 + 9 + 7 + 6 + 5 = 54

Answer 54 cm

8

Which shape has the longer perimeter?
By how much?



A: 4 and 4, so 26 cm

B: 3 and 4, so 22 cm

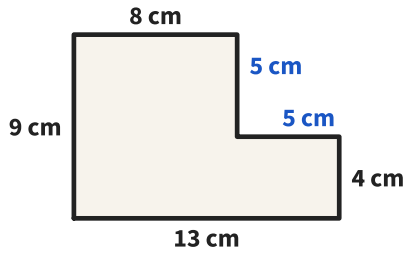
Answer A, by 4 cm

Perimeter of compound shapes *further practice*

ANSWERS

9

Find the perimeter of the shape.



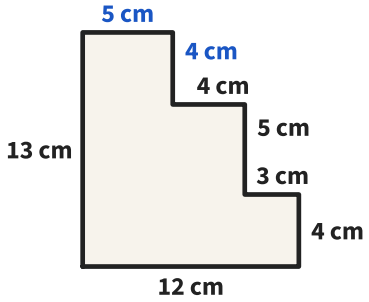
13 − 8 = 5, 9 − 4 = 5

13 + 4 + 5 + 5 + 8 + 9 = 44

Perimeter 44 cm

10

Find the perimeter of the shape.



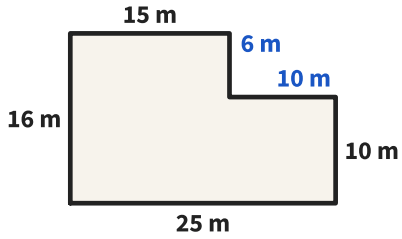
13 − 4 − 5 = 4, 12 − 3 − 4 = 5

12 + 4 + 3 + 5 + 4 + 4 + 5 + 13 = 50

Perimeter 50 cm

11

A rope goes all the way round the edge of this pool. How long is the rope?



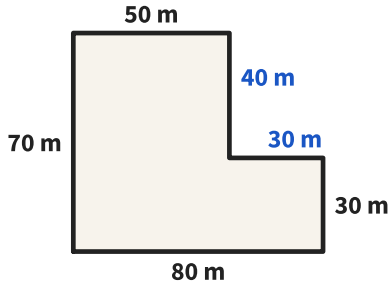
25 − 15 = 10, 16 − 10 = 6

25 + 10 + 10 + 6 + 15 + 16 = 82

Answer 82 m

12

Hamid jogs twice round the edge of this field. How far does he jog?



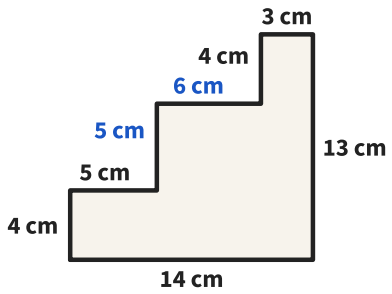
80 − 50 = 30, 70 − 30 = 40

perimeter 300 m, then × 2

Answer 600 m

13

(a) How many sides does this shape have? (b) Find its perimeter.



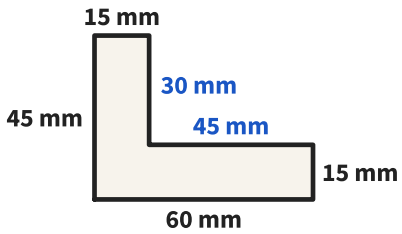
14 − 3 − 5 = 6, 13 − 4 − 4 = 5

(a) 8 sides

(b) 54 cm

14

A metal bracket is this shape. Find its perimeter.



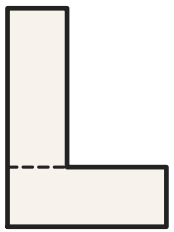
60 − 15 = 45, 45 − 15 = 30

60 + 15 + 45 + 30 + 15 + 45 = 210

Perimeter 210 mm

15

Two rectangles, each 8 cm by 3 cm, are joined to make this L shape. Find its perimeter.

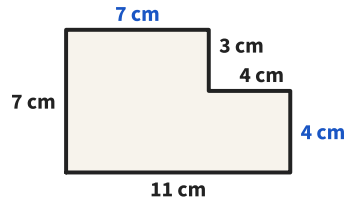


8 + 3 + 5 + 8 + 3 + 11 = 38

Perimeter 38 cm

16

Kofi cuts a 4 cm by 3 cm rectangle from the corner of an 11 cm by 7 cm rectangle. He says the perimeter of the L shape left is less than 36 cm. Is he right? Explain.



No. 11 + 4 + 4 + 3 + 7 + 7 = 36,

the same as the rectangle.

Answer No, it is still 36 cm