

Year 4: Perimeter: answers

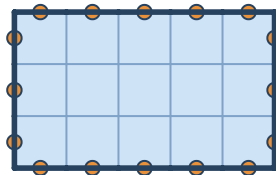
Year 4 - Perimeter, Area and Measures - Lesson 7.6

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch07-measures/perimeter/

Exercise 7H Perimeter Non-calculator

- 1 Each square has sides of 1 cm. Count the edges to find the perimeter of each shape.

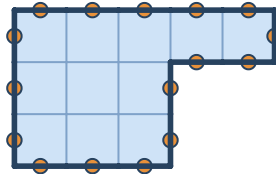
(a)



Perimeter =

Answer: 16 cm

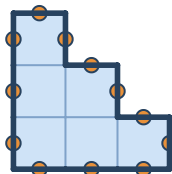
(b)



Perimeter =

Answer: 16 cm

(c)

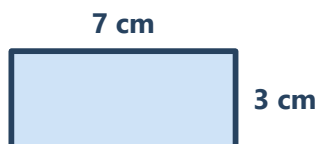


Perimeter =

Answer: 12 cm

- 2 Work out the perimeter of each rectangle. The pictures are not drawn to scale.

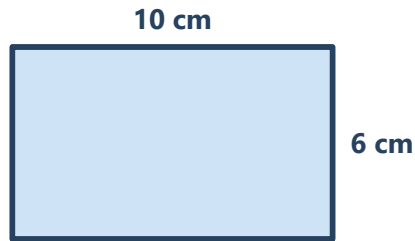
(a)



Perimeter =

Answer: 20 cm

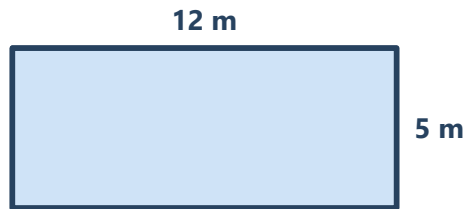
(b)



Perimeter =

Answer: 32 cm

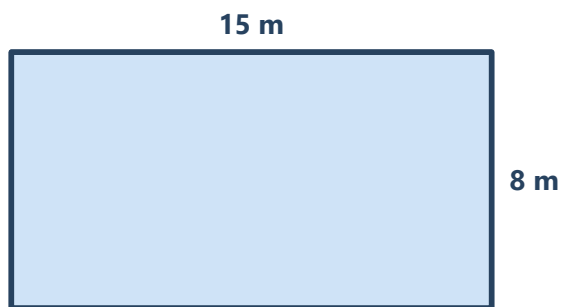
(c)



Perimeter =

Answer: 34 m

(d)



Perimeter =

Answer: 46 m

3 Work out the perimeter of each square.

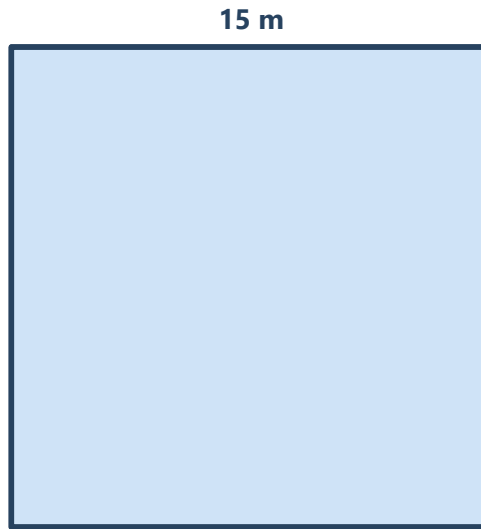
(a)



Perimeter =

Answer: 32 cm

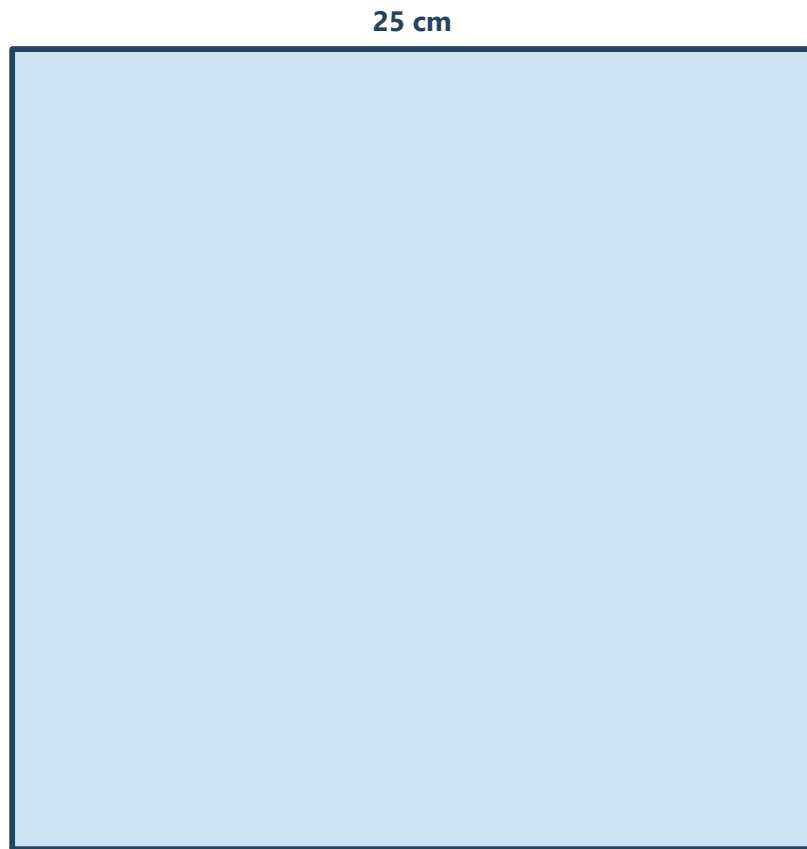
(b)



Perimeter =

Answer: 60 m

(c)

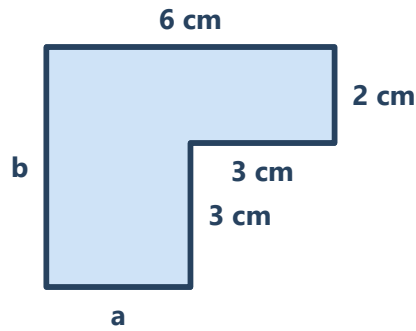


Perimeter =

Answer: 100 cm

4 Work out the missing sides. Then find the perimeter of each shape.

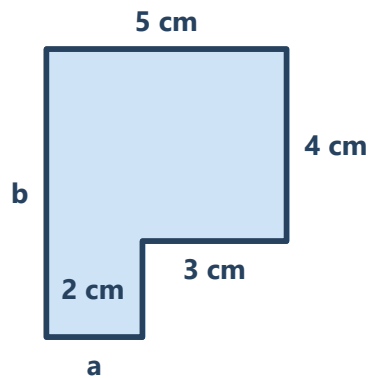
(a)



Perimeter =

Answer: 22 cm

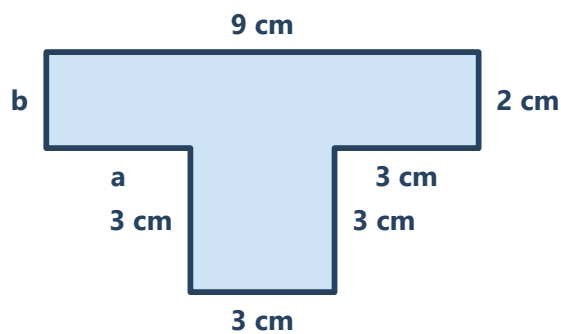
(b)



Perimeter =

Answer: 22 cm

(c)



Perimeter =

Answer: 28 cm

5 Each rectangle has the perimeter and one side given. Find the other side.

(a) Perimeter 30 cm, one side 9 cm. The other side =

Answer: 6 cm

(b) Perimeter 46 cm, one side 14 cm. The other side =

Answer: 9 cm

(c) Perimeter 52 cm, one side 20 cm. The other side =

Answer: 6 cm

6 Each square has the perimeter given. Find the length of one side.

(a) Perimeter 28 cm. One side =

Answer: 7 cm

(b) Perimeter 60 m. One side =

Answer: 15 m

7 A farmer puts a fence all the way round a rectangular field. The field is 14 m long and 9 m wide. How many metres of fence does the farmer need?



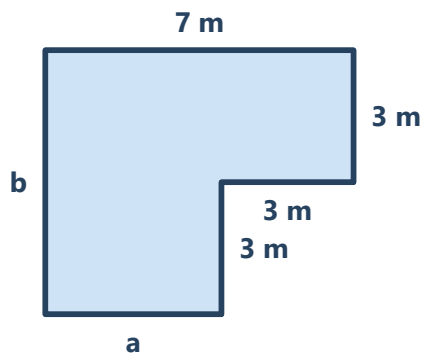
Answer: 46 m

8 A rectangular playground is 30 m long and 20 m wide. Mia runs twice all the way round the edge. How far does she run?



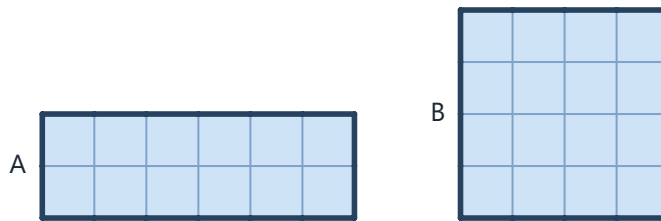
Answer: 200 m

9 Dev puts a skirting board round the edge of the floor of an L-shaped room. How many metres of skirting board does he need? (Ignore the doors.)



Answer: 26 m

- 10 Look at shapes A and B. Each square has sides of 1 cm.



- (a) What is the perimeter of shape A?

Answer: 16 cm

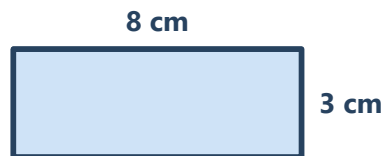
- (b) What is the perimeter of shape B?

Answer: 16 cm

- (c) What do you notice about the two perimeters?

Answer: They are equal (16 cm)

- 11 Zainab says, "A rectangle 8 cm long and 3 cm wide has a perimeter of 24 cm." What mistake has Zainab made? What is the correct perimeter?



Answer: 22 cm

- 12 Find all the rectangles with whole-number sides (in cm) that have a perimeter of 14 cm. Write the length and the width of each.

Answer: 6 by 1, 5 by 2 and 4 by 3

- 13 Can a rectangle with whole-number sides have a perimeter of 15 cm? Explain how you know.

Answer: No. The perimeter of a rectangle is always even

- 14 A square with sides of 9 cm has the same perimeter as a rectangle. The rectangle is 12 cm long. How wide is the rectangle?

Answer: 6 cm