Steady Steps Maths

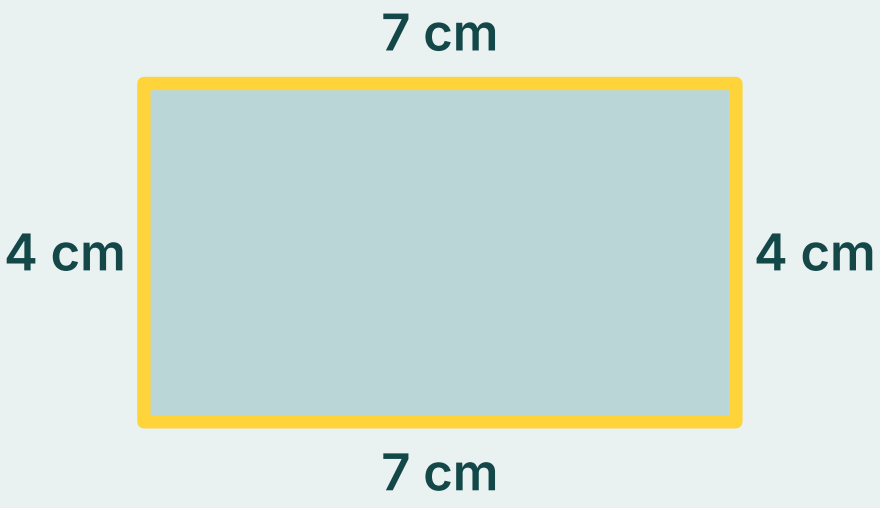
FREE SAMPLE WORKSHEET · TOPIC 10

FREE SAMPLE

Perimeter

Free sample worksheet · with answers

GRADE 3



7 + 4 + 7 + 4 = 22 cm

Common Core 3.MD.D.8

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Quick recap

The big idea from each pack in this topic. Read it first, then try the questions.

Learn it · Pack 1 · Finding perimeter

Perimeter is the distance all the way around. Add every side.

A rectangle 7 cm by 2 cm:

7 + 2 + 7 + 2 = **18 cm**.

Learn it · Pack 2 · Missing sides

Work backwards from the perimeter.

A square with a perimeter of 28 m has sides of 28 ÷ 4 = **7 m**.

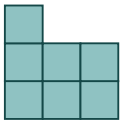
Learn it · Pack 3 · Perimeter and area

Shapes with the same perimeter can have different areas.

8 by 2 and 5 by 5 both have a perimeter of 20, but areas **16** and **25**.

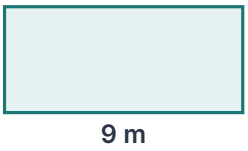
PACK 1 Finding Perimeter

1 Each small side is 1 unit. What is the perimeter?



Answer

2 What is the perimeter of the rectangle?



Answer

3 A square has 6 in sides. What is its perimeter?

Answer

4 A triangle has sides 7 cm, 8 cm and 5 cm. What is its perimeter?

Answer

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5 A shape has 6 sides, each 4 ft. What is its perimeter?

Answer

6 Is perimeter measured in cm or sq cm?

Answer

PACK 2 Missing Side Lengths

7 A square has a perimeter of 36 cm. How long is each side?

Answer

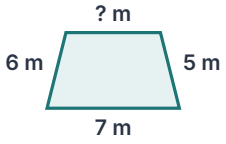
8 A rectangle has a perimeter of 20 m and a length of 7 m. How wide is it?

Answer

9 A triangle has a perimeter of 19 cm. Two sides are 6 cm and 8 cm. Find the third.

Answer

10 Find the missing side. The perimeter is 22 m.



Answer

11 A rectangle is 5 cm wide with a perimeter of 26 cm. How long is it?

Answer

12 A pentagon has 5 equal sides and a perimeter of 40 cm. How long is each side?

Answer

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PACK 3

Perimeter & Area

13 Perimeter or area? Putting a fence round a field.

Answer

14 Find the perimeter and area of a 5 cm by 3 cm rectangle.

Answer

15 A 7 by 1 and a 4 by 4 rectangle both have a perimeter of 16. Which has the bigger area?

Answer

16 List the rectangles with whole-number sides and a perimeter of 12 cm.

Answer

Real life

Read carefully, then show your working

17 A garden is 8 m long and 5 m wide.
(a) How much fence goes round it? (b) The gate is 1 m wide and needs no fence. How much fence is needed?

Answer

18 A picture is 9 in by 6 in.
(a) How much ribbon goes once round its edge? (b) What is its area?

Answer

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Answer key

For parents · check the steps as well as the final answer

Pack 1	**1)** 12 units **2)** 26 m **3)** 24 in **4)** 20 cm **5)** 24 ft **6)** cm
Pack 2	**7)** 9 cm **8)** 3 m **9)** 5 cm **10)** 4 m **11)** 8 cm **12)** 8 cm
Pack 3	**13)** perimeter **14)** 16 cm and 15 sq cm **15)** 4 by 4 (16, not 7) **16)** 5 by 1, 4 by 2, 3 by 3
Real life	**17)** (a) 26 m (b) 25 m **18)** (a) 30 in (b) 54 sq in

Tip: Perimeter is a length (cm, m); area is in square units (sq cm). Rectangles can be listed either way round.

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Enjoyed this sample?

This sheet has 18 questions. The full topic has 108, plus 10 unit tests.

Everything a Grade 3 student needs on perimeter: the distance around a shape, perimeter on a grid and from side lengths, finding a missing side, and rectangles with the same perimeter but different areas (or the same area but different perimeters).

What you get	What's inside	Questions
Pack 1 · Finding Perimeter	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 3.MD.D.8	40
Pack 2 · Missing Side Lengths	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 3.MD.D.8	37
Pack 3 · Perimeter & Area	Learn-it boxes, worked examples, practice, word problems, self-check and answer key · Common Core 3.MD.D.8	31
Complete Topic book	All 3 packs in one book with a contents page	108
10 Unit Tests (A–J)	40 marks each, about 40 minutes, with a mark scheme and a "what to revise" table. **Test A is free.**	18 per test

How to use this sample

1. Let your child read the recap page and try the questions on their own.
2. Mark together with the answer key. Each section shows which pack it comes from.
3. If a section felt hard, that pack is the place to start. If it all felt easy, try the free Unit Test A.

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