

Y4 Perimeter

KS2 Y4 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Find the perimeter of a rectangle 9 cm long and 4 cm wide.

Step 1 · Opposite sides are equal

9 cm, 4 cm, 9 cm, 4 cm

Step 2 · Add

$$9 + 4 + 9 + 4 = 26$$

Answer: The perimeter is 26 cm

Check: Shortcut: $(9 + 4) \times 2 = 26$ ✓

2. Now try one with the steps

A square field has sides of 15 m. What is its perimeter?

Step 1 · A square has 4 equal sides

Step 2 · Work it out

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. Find the perimeter of a rectangle 7 cm by 3 cm.

2. Find the perimeter of a square with sides of 8 cm.

3. Find the perimeter of a rectangle 12 m by 5 m.

4. A square playground has sides of 25 m. What is its perimeter?

5. A rectangle is 10 cm long and 6 cm wide. What is its perimeter?
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6. A rectangle measures 1 m by 50 cm. What is its perimeter in centimetres?
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7. A square has a perimeter of 36 cm. How long is each side?
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8. An L-shape has sides 10 cm, 4 cm, 6 cm, 3 cm, 4 cm and 7 cm. What is its perimeter?
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9. A rectangle has a perimeter of 24 cm. Its length is 8 cm. What is its width?
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10. An L-shape is 9 cm along the bottom and 5 cm up the left. A 4 cm by 2 cm corner is cut from the top right. What is the perimeter?
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11. A garden is 14 m long and 9 m wide. Fencing costs £5 per metre. How much does it cost to fence all the way round?
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12. Two squares with 5 cm sides are put side by side to make a rectangle. What is the perimeter of the rectangle?
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13. A rectangle has a perimeter of 20 cm and its sides are whole centimetres. Write the lengths of a rectangle that is not a square.
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14. A room is 5 m long and 4 m wide. A door 1 m wide is in one wall. How many metres of skirting board go round the room, not across the door?
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4. Before you hand it in

Adding only the labelled sides of an L-shape.

Find the missing sides first using the ones you know: top side = bottom side – the cut. Count the sides: an L-shape has 6.

Finding the area instead of the perimeter.

Perimeter is the distance around the edge. Trace the outline with your finger and add each side.

Adding 1 m and 50 cm as 51.

Convert first: 1 m = 100 cm. Then $100 + 50 + 100 + 50 = 300$ cm.

For a 30 m perimeter and 9 m length, saying the width is 21 m.

A rectangle has two lengths: $30 - 9 - 9 = 12$, and $12 \div 2 = 6$ m.