

Y3 Perimeter

KS2 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Find the perimeter of a rectangle 6 cm long and 4 cm wide.

Step 1 · A rectangle has 4 sides: two lengths and two widths

6 cm, 4 cm, 6 cm, 4 cm

Step 2 · Add them all

$$6 + 4 + 6 + 4 = 20$$

Answer: The perimeter is 20 cm

Check: Or double the length and width: $(6 + 4) \times 2 = 20$ ✓

2. Now try one with the steps

Find the perimeter of a triangle with sides 5 cm, 7 cm and 8 cm.

Step 1 · Add the three sides

$$\text{Step 2} \cdot 5 + 7 = 12, 12 + 8$$

Answer:

3. Practice

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

1. What is the perimeter of a square with sides of 3 cm?

2. What is the perimeter of a rectangle 5 cm long and 2 cm wide?

3. A triangle has sides of 4 cm, 4 cm and 4 cm. What is its perimeter?

4. A rectangle is 10 cm long and 3 cm wide. What is its perimeter?

5. A triangle has sides 6 cm, 8 cm and 10 cm. What is its perimeter?

6. A square has sides of 9 cm. What is its perimeter?

7. A rectangular rug is 3 m long and 2 m wide. What is its perimeter?

8. A pentagon has 5 equal sides of 4 cm. What is its perimeter?

9. A square has a perimeter of 20 cm. How long is one side?

10. A rectangle has a perimeter of 18 cm. Its length is 6 cm. What is its width?

11. A garden is 12 m long and 8 m wide. How much fencing is needed to go all the way round?

12. A photo frame is 15 cm by 10 cm. How much ribbon goes once round the edge?

13. An L-shape has sides 6 cm, 2 cm, 4 cm, 3 cm, 2 cm and 5 cm. What is its perimeter?

14. Two different rectangles each have a perimeter of 12 cm. One is 5 cm by 1 cm. What could the other be? Give the length and width.

4. Before you hand it in

Adding only the two labelled sides of a rectangle ($6 + 4 = 10$).

A rectangle has 4 sides. Opposite sides are equal, so add $6 + 4 + 6 + 4 = 20$.

Counting the squares inside the shape.

Perimeter is only the distance around the EDGE. Run your finger round the outside.

Missing a side on a shape with many sides.

Tick each side add it, and check the number of ticks matches the number of sides.

Forgetting the units.

Always write cm or m after the answer: 20 cm, not just 20.