

Y4 Area

KS2 Y4 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

A rectangle on centimetre squared paper covers 4 squares in each row and has 3 rows. What is its area?

Step 1 · Count the squares in each row

4

Step 2 · There are 3 rows

$4 + 4 + 4 = 12$ (or 3 rows of 4)

Answer: The area is 12 cm²

Check: Count them one by one to check: 12 squares ✓

2. Now try one with the steps

An L-shape covers 5 squares in the bottom row and 2 squares in each of the 3 rows above. What is its area?

Step 1 · Bottom row

Step 2 · Rows above

Step 3 · Add

Answer:

3. Practice

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

1. A shape covers 9 centimetre squares. What is its area?

2. A rectangle on squared paper has 2 rows of 5 squares. What is its area?

3. A rectangle has 4 rows of 6 squares. What is its area?

4. A square on squared paper is 3 squares wide and 3 squares tall. What is its area?
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5. Shape A covers 14 squares. Shape B covers 11 squares. How much bigger is the area of A?
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6. A shape covers 6 whole squares and 2 half squares. What is its area?
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7. An L-shape has a bottom row of 4 squares and 2 more rows of 1 square on top at the left. What is its area?
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8. Draw a rectangle with an area of 8 cm^2 on squared paper. Write its length and width.
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9. A rectangle has 5 rows of 7 squares. What is its area?
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10. A T-shape has a top row of 5 squares and a stem of 3 squares underneath the middle. What is its area?
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11. A shape covers 10 whole squares and 6 half squares. What is its area?
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12. A 6 by 4 rectangle of squares has a 2 by 2 square cut out of one corner. What is the area left?
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13. Two shapes both have an area of 12 cm^2 . Must they be the same shape? Write yes or no.
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14. A patio is made of square slabs, each 1 m^2 . It is 6 slabs long and 3 slabs wide. What is its area?
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4. Before you hand it in

Counting the squares around the edge instead of inside.

Area is the space INSIDE. Colour or tick each square inside the shape count it.

Counting some squares twice or missing some.

Count row by row, and mark each square go.

Counting half squares squares.

Two half squares make one whole square. Pair them up first.

Writing the area as 12 cm.

Area is measured in squares: 12 cm² (square centimetres).