Year 4 maths: Area of rectangles (Easy)

Maths · Measurement · Level: Easy

Student: _____ Date: _____

Instructions
- There are 10 questions. Read each one carefully.
- Write your answers on this paper. Use the space under a question to work it out.
- A grown-up can read a question aloud — that's fine.
- The answers are at the end. Check them together when you have finished.

Questions

1. Which unit is best for the area of a classroom floor?

Circle one answer.

○ **A** metres (m) ○ **B** square centimetres (cm²)

○ **C** square metres (m²)

2. A garden bed is 5 m long and 2 m wide. What is its area in square metres?

Answer: ☐ m²

Working:

3. A baking tray has 4 rows of 6 square biscuits. How many biscuits are there?

Circle one answer.

○ **A** 10 ○ **B** 6 ○ **C** 24

4. How many squares cover this rectangle?

Answer: ☐ squares



Working:

5. A kitchen floor needs 4 rows of 5 tiles. 8 tiles are already down. How many more tiles are needed?

Answer: ☐ tiles

Working:

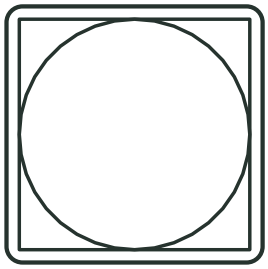
6. Shape P covers 6 squares. Shape Q covers 8 squares. How many more squares does Q cover?

Circle one answer.

○ **A** 2 ○ **B** 8 ○ **C** 14

7. A circle 4 cm wide fits exactly inside a square. What is the area of the square?

Circle one answer.



○ **A** 4 cm² ○ **B** 8 cm² ○ **C** 16 cm²

8. Each square on a grid is 2 cm². A shape covers 5 squares. What is its area?

Answer: ____ cm²

Working:

9. Two strips, each 6 cm long, overlap in a line 10 cm long. 6 + 6 = 12. How wide is the overlap?

Answer: ____ cm

Working:

10. A square on a grid is 2 squares wide, so 8 grid sides go round it. Its perimeter is 16 cm. How long is one grid side?

Answer: ____ cm

Working:

Answer key

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1. C — square metres (m²)
A floor is big, so we use square metres. Metres measure length, not area.

2. 10 m²
2 rows of 5 square metres: 10 m². (5 + 2 + 5 + 2 = 14 m is the distance around, not the area.)

3. C — 24
4 rows of 6: 6, 12, 18, 24.

4. 10 squares
2 rows of 5: 10 squares.

5. 12 tiles
The floor needs 4 × 5 = 20 tiles. 20 − 8 = 12 more.

6. A — 2
8 − 6 = 2 more squares.

7. C — 16 cm²
The square is as wide as the circle: 4 cm by 4 cm. 4 × 4 = 16 cm².

8. 10 cm²
5 squares of 2 cm²: 5 × 2 = 10 cm².

9. 2 cm
12 − 10 = 2 cm.

10. 2 cm
16 ÷ 8 = 2 cm.