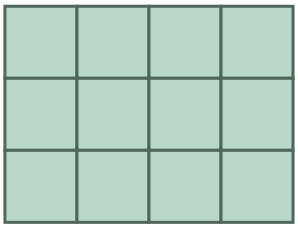
Covering/counting/estimating area

6 questions | 8 marks

Equivalent correct methods earn the corresponding marks.

1. A fully shaded grid has 4 columns and 3 rows. Find the area. [1 mark]

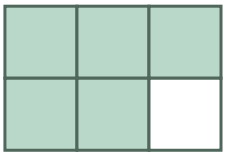


Each square is 1 square unit

$4 + 4 + 4 = 12$ square units.

Answer: 12 square units.

2. Find the shaded area on the supplied grid. [1 mark]



Each square is 1 square unit

Count the five shaded unit squares.

Answer: 5 square units.

3. A region covers 7 whole squares and 2 half-squares. Find its area. [1 mark]

The two halves make 1 whole: $7 + 1 = 8$.

Answer: 8 square units.

4. A region covers 4 whole squares and 6 half-squares. Find its area. [1 mark]

Six halves make 3 wholes: $4 + 3 = 7$.

Answer: 7 square units.

5. Why must square units not overlap when measuring area? [2 marks]

Each part of the region should be counted once.

Answer: An overlap would count part of the region more than once.

6. A curved region covers 9 whole squares and several pieces that together look like about 3 whole squares. Estimate its area. [2 marks]

9 whole squares + about 3 from pieces gives about 12.

Answer: About 12 square units.