

Luna's Space Adventure

Name _____

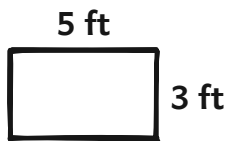
Grade 3 · Area by multiplying · 3.MD.C.7

Date _____

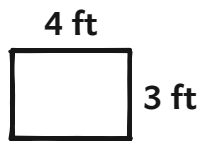


Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

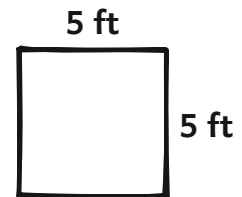
Length times width Multiply the side lengths.



sq ft

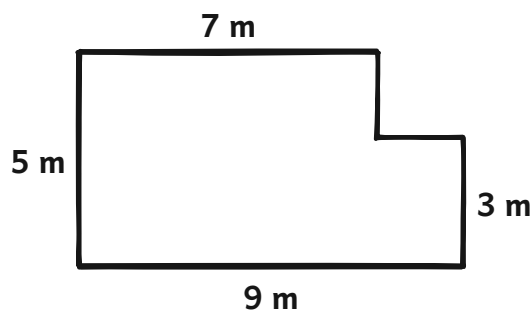


sq ft

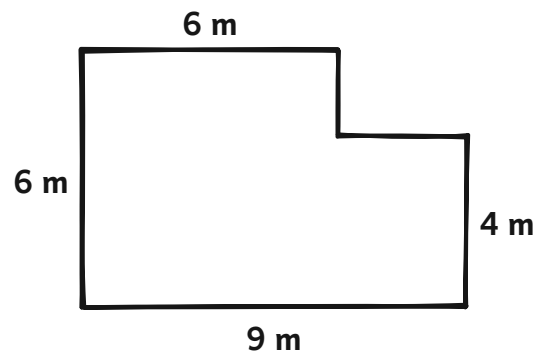


sq ft

Split it into rectangles Find each part's area, then add.



sq m



sq m

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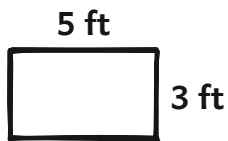
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ANSWER KEY

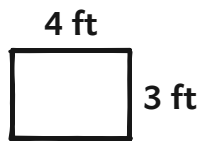


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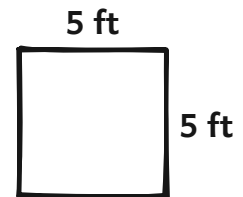
Length times width Multiply the side lengths.



15 sq ft

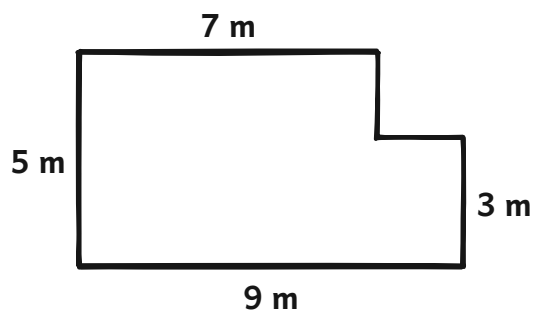


12 sq ft

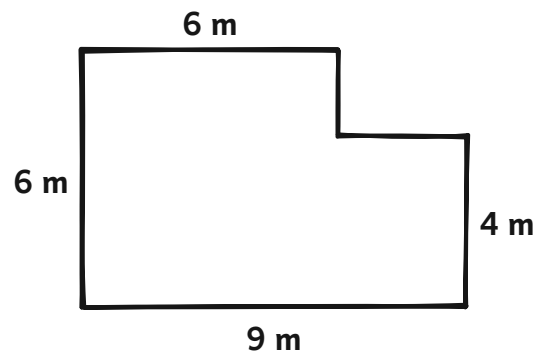


25 sq ft

Split it into rectangles Find each part's area, then add.



41 sq m



48 sq m

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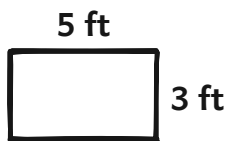
GUIDE

① What this sheet practises

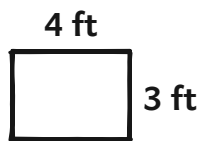
Finding the area of rectangles by multiplying the side lengths, and of L-shapes by splitting them into rectangles.

② A problem from the sheet, worked out

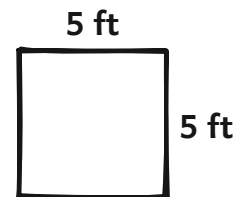
Length times width Multiply the side lengths.



15 sq ft



12 sq ft



25 sq ft

How: The area of a rectangle is length $\times$ width. For an L-shape, split it into two rectangles, find each area, then add.

③ Words to know

length how long a side is

width how wide the shape is

area length $\times$ width, for a rectangle

sq ft square feet: area measured in feet

④ Watch for

- Adding the sides (that's perimeter) instead of multiplying.
- Counting part of an L-shape twice when splitting it.
- Using a side length that belongs to the other rectangle.

⑤ Where it fits

BEFORE

2.OA.C.4

Use repeated addition to count objects in rows and columns.

THIS SHEET

3.MD.C.7

Connect area to multiplying and adding.

NEXT

4.MD.A.3

Use area and perimeter formulas for rectangles.

⑥ Helping at home

Measure a rug or a table and multiply to find its area.