

Grade 4 - Area and Perimeter of Rectangles - Test

Common Core 4.MD.A.3 · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

This test has 8 questions worth 20 points. Allow 45 minutes. Show your work and write the correct unit with every answer. Remember that area uses square units. No calculator is needed.

About this test

- Grade: Grade 4
- Chapter: Area and Perimeter of Rectangles
- Standards: 4.MD.A.3
- Time: 45 minutes
- Total: 20 points

Question 1 - Rectangle measures [2 pts]

A rectangle is 11 in long and 4 in wide.

- Find its area. (1 point)
- Find its perimeter. (1 point)

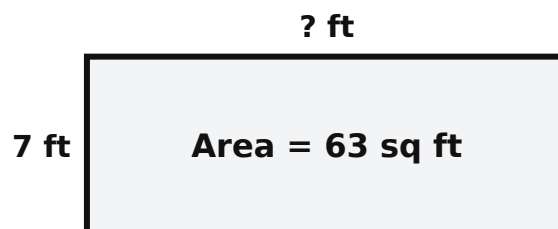
Question 2 - Square measures [2 pts]

A square has sides of 7 m.

- Find its area. (1 point)
- Find its perimeter. (1 point)

Question 3 - Find the length [2 pts]

The rectangle has an area of 63 sq ft.



The area and one side are known.

Find the length of the rectangle. (2 points)

Question 4 - Find the width [2 pts]

A rectangle has a perimeter of 38 in and a length of 11 in . Find its width. (2 points)

Question 5 - Missing measures table [3 pts]

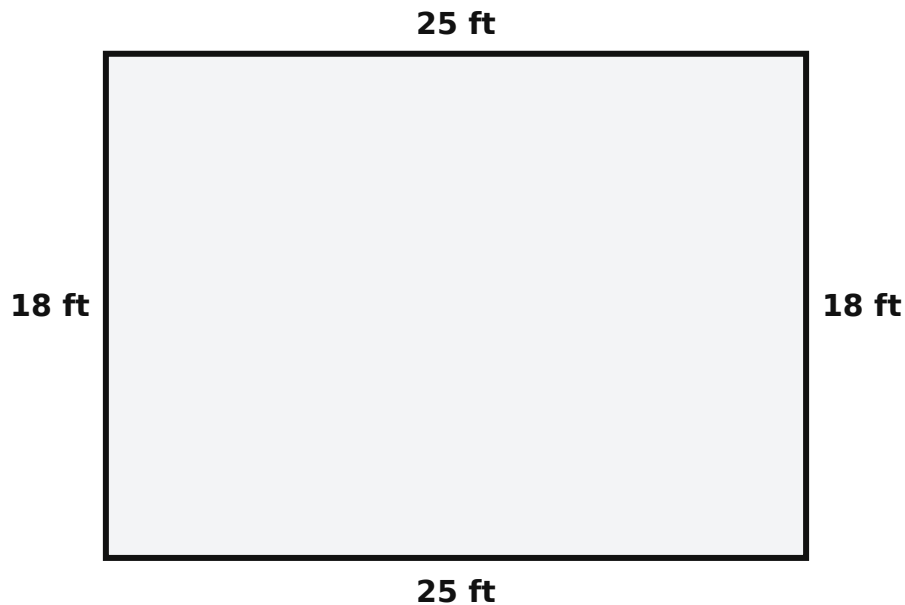
Complete the table. Each rectangle is described by whole numbers of feet.

	Length	Width	Area	Perimeter
A	8 ft	5 ft	(a)	(b)
B	9 ft	(c)	54 sq ft	
C	(d)	4 ft		24 ft

Find (a), (b), (c) and (d). (3 points: 1 for A, 1 for B, 1 for C)

Question 6 - Backyard fence [3 pts]

Liam's backyard is shaped like the rectangle below. Fence costs \$4 per foot.

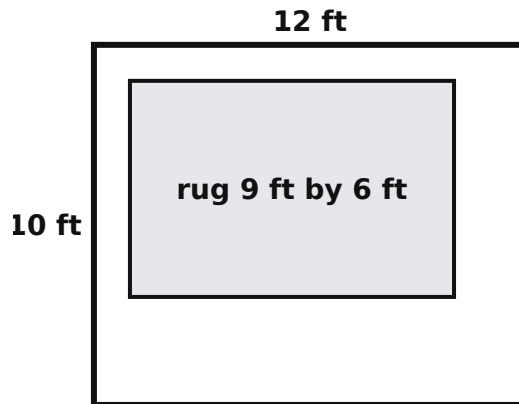


Backyard.

- How many feet of fence go around the whole yard? (1 point)
- How much does the fence cost? (2 points)

Question 7 - Rug on the floor [3 pts]

A rectangular rug that is 9 ft by 6 ft lies on the floor of a room that is 12 ft by 10 ft.

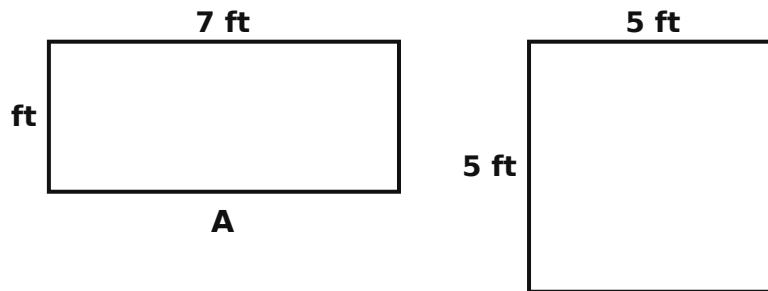


Room with a rug.

- Find the area of the room. (1 point)
- Find the area of the rug. (1 point)
- How many square feet of floor are not covered by the rug? (1 point)

Question 8 - Same perimeter [3 pts]

Rectangle A is 7 ft by 3 ft. Rectangle B is 5 ft by 5 ft.



Two rectangles.

- Show that both rectangles have the same perimeter. (1 point)
- Find the area of each rectangle. (1 point)
- Which rectangle has the greater area, and by how many square feet? (1 point)