MATH

Area of rectangles

Name _____ Date _____

I can multiply length by width to find the area of a rectangle.

1 How it works

A rectangle is rows of squares. Multiply the number of rows by the squares in each row: length × width. A rectangle 4 long and 3 wide has an area of 4 × 3 = 12 square units. Split tricky shapes into rectangles and add.



4 × 3 = 12 square units

2 Multiply to find the area

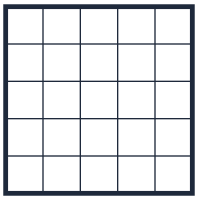
rows × squares in each row

1



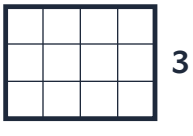
_____ sq units

2



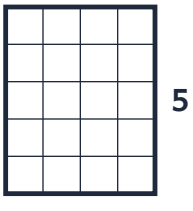
_____ sq units

3



_____ sq units

4



_____ sq units

How did I do? ☆ ☆ ☆

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Area with units

Name _____ Date _____

I can multiply length by width and write the square units.

1 Find the area of each rectangle

length × width

1



4 cm

8 cm

sq cm

2



3 m

12 m

sq m

3



9 in

5 in

sq in

4



3 ft

5 ft

sq ft

2 Find the missing side

Think: what times the side gives the area?

1. A rectangle has an area of 35 sq m. One side is 7 m. How long is the other side? _____
2. A rectangle has an area of 27 sq in. One side is 3 in. How long is the other side? _____
3. A rectangle has an area of 28 sq ft. One side is 4 ft. How long is the other side? _____

How did I do? ☆ ☆ ☆

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Break it apart

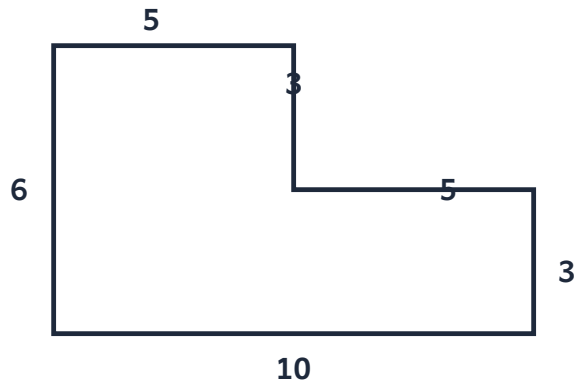
Name _____ Date _____

I can split a shape into rectangles and add their areas.

1 Split each shape into two rectangles, then add

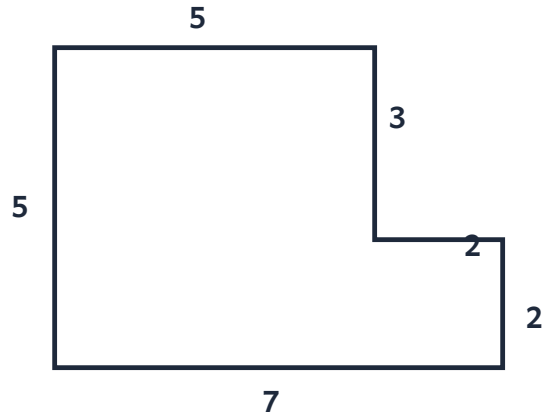
Draw a line to split it.

1



Area = ____ sq units

2



Area = ____ sq units

2 Think about it

1. Which shape has the bigger area, 1 or 2?

2. A rectangle is 10 by 4. You cut off a 2 by 2 corner. What area is left?

How did I do? ☆ ☆ ☆

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Word problems

Name _____ Date _____

I can solve problems about area and perimeter.

1 Read, draw, answer

A quick sketch helps.

1 Mia's bedroom is 4 meters long and 3 meters wide. What is the area of the floor?

Answer: _____

2 A flower bed is 8 feet long and 2 feet wide. What is its area?

Answer: _____

3 A poster has an area of 24 square inches. It is 6 inches wide. How tall is it?

Answer: _____

4 Sam paints two walls. One is 5 by 3 meters and the other is 4 by 3 meters. How much wall does Sam paint?

Answer: _____

How did I do? ☆ ☆ ☆

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FOR TEACHERS AND PARENTS

Answer key: area of rectangles

1 Page 1

Area: 1) 5 × 2 = 10, 2) 5 × 5 = 25, 3) 4 × 3 = 12, 4) 4 × 5 = 20 square units.

2 Page 2

Area: 1) 8 × 4 = 32 sq cm, 2) 12 × 3 = 36 sq m, 3) 5 × 9 = 45 sq in, 4) 5 × 3 = 15 sq ft.

Missing side: 1) 5 m 2) 9 in 3) 7 ft.

3 Page 3

Break it apart: 1) 10 × 6 – 5 × 3 = 45 square units (or add the two rectangles); 2) 7 × 5 – 2 × 3 = 29 square units (or add the two rectangles).

Think: 1) 1 2) 36 square units.

4 Page 4: word problems

1) 12 square meters (4 × 3)
2) 16 square feet (8 × 2)
3) 4 inches (24 ÷ 6)
4) 27 square meters (15 + 12)

5 Teaching tip

Ask children to check one or two answers by counting squares. Say the unit every time: square centimeters, square feet.

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