

Area

Answer key

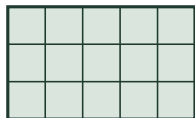
3.MD.C.5

3.MD.C.6

3.MD.C.7

14 problems

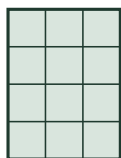
1. Count the unit squares to find the area of the shaded rectangle.



1 square unit each

Answer 15 square unitsThere are 3 rows of 5 squares: $3 \times 5 = 15$ square units.

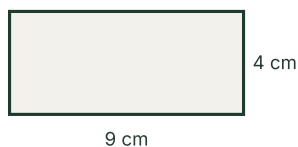
2. Count the unit squares to find the area of the shaded rectangle.



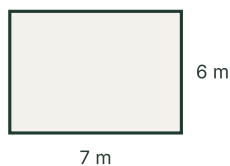
1 square unit each

Answer 12 square unitsThere are 4 rows of 3 squares: $4 \times 3 = 12$ square units.

3. Find the area of the rectangle by multiplying the side lengths.

**Answer** 36 square cm $A = 9 \times 4 = 36$ square cm.

4. Find the area of the rectangle by multiplying the side lengths.

**Answer** 42 square m $A = 7 \times 6 = 42$ square m.

5. Find the area of the square.



8 ft

Answer 64 square ft

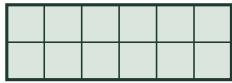
A square has equal sides: $A = 8 \times 8 = 64$ square ft.

6. A rectangle is 10 inches long and 3 inches wide. What is its area?

Answer 30 square in

$A = 10 \times 3 = 30$ square in.

7. Count the unit squares to find the area of the shaded shape.

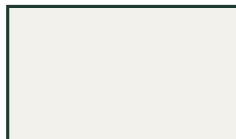


1 square unit each

Answer 12 square units

There are 2 rows of 6 squares: $2 \times 6 = 12$ square units.

8. Find the area of the rectangle.



5 cm

12 cm

Answer 60 square cm

$A = 12 \times 5 = 60$ square cm.

9. Which multiplication finds the area of a rectangle that is 6 units wide and 7 units tall?

Answer B) 6×7

Area is length times width: $6 \times 7 = 42$ square units.

10. A rectangle has an area of 24 square units. One side is 4 units long. How long is the other side?

Answer 6 units

Area is side times side, so $24 \div 4 = 6$ units.

11. A poster is 5 feet wide and 4 feet tall. What is the area of the poster?

Answer 20 square ft

$A = 5 \times 4 = 20$ square ft.

12. A garden is shaped like a square with sides of 9 meters. What is the area of the garden?

Answer 81 square m

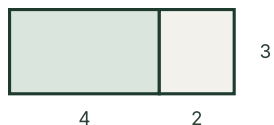
$A = 9 \times 9 = 81$ square m.

13. Mr. Reed tiles his kitchen floor, which is 8 feet long and 6 feet wide. Each tile covers 1 square foot. How many tiles does he need?

Answer 48 tiles

Floor area = $8 \times 6 = 48$ square ft, so he needs 48 tiles.

14. A figure is made of a 4 by 3 rectangle joined to a 2 by 3 rectangle. Find the total area.



Answer 18 square units

Left part: $4 \times 3 = 12$. Right part: $2 \times 3 = 6$. Total = $12 + 6 = 18$ square units.