

Grade 3 - Area - Quiz

Common Core 3.MD.C.5, 3.MD.C.6, 3.MD.C.7 · maths-pdf.fr/en/

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

This **area quiz** for 3rd Grade covers area (Common Core 3.MD.C.5, 3.MD.C.6, 3.MD.C.7), with a free PDF to print.

Take this 10-question quiz on area. Each question has one correct answer. It covers square units, area of rectangles, missing sides, the distributive property, and L-shaped figures. Read each picture carefully before you choose.

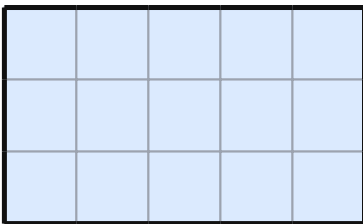
Grade 3 · Common Core State Standards: **3.MD.C.5, 3.MD.C.6, 3.MD.C.7**

Area quiz: 10 questions

Questions

Question 1

What is the area of the rectangle? Each small square is 1 square unit.



- A. 8 square units
- B. 16 square units
- C. 15 square units
- D. 18 square units

Question 2

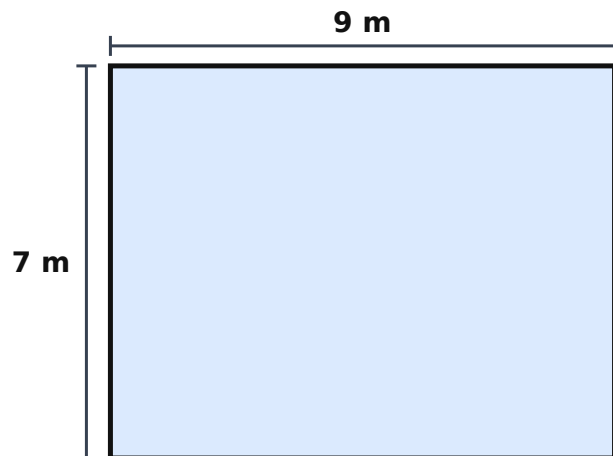
What is a square unit?

- A. A line that is 1 unit long
- B. A square that is 1 unit long on each side

- C. A rectangle that is 1 unit by 2 units
- D. A circle with a diameter of 1 unit

Question 3

A banner is shaped like the rectangle below. How many square meters of cloth cover it?



- A. 16 square meters
- B. 63 square meters
- C. 32 square meters
- D. 56 square meters

Question 4

A rectangle has an area of 45 square feet and a width of 5 feet. How long is it?

- A. 40 feet
- B. 50 feet
- C. 9 feet
- D. 225 feet

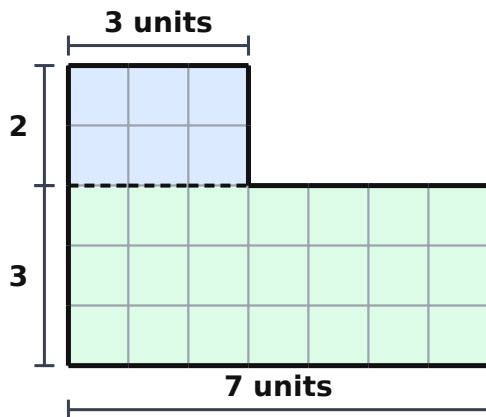
Question 5

Which expression equals (9×8) ?

- A. $((9 \times 5) + (9 \times 3))$
- B. $((9 \times 5) + 3)$
- C. $((9 \times 4) + (9 \times 3))$
- D. $((9 + 5) \times (9 + 3))$

Question 6

What is the area of the L-shaped figure?



- A. 27 square units
- B. 21 square units
- C. 33 square units
- D. 35 square units

Question 7

Which rectangle has the same area as a rectangle that is 4 feet by 9 feet?

- A. 13 feet by 1 foot
- B. 9 feet by 4 feet
- C. 6 feet by 7 feet
- D. 18 feet by 4 feet

Question 8

A floor has 9 rows of square tiles with 6 tiles in each row. Each tile is 1 square foot. What is the area of the floor?

- A. 15 square feet
- B. 45 square feet
- C. 63 square feet
- D. 54 square feet

Question 9

Jamal has two rectangles. One is 6 feet by 4 feet. The other is 5 feet by 3 feet. What is their total area?

- A. 18 square feet
- B. 29 square feet
- C. 45 square feet
- D. 39 square feet

Question 10

A square has an area of 64 square centimeters. How long is each side?

- A. 8 centimeters
- B. 4 centimeters
- C. 16 centimeters
- D. 32 centimeters

Answers

1. **C** – There are 3 rows of 5 squares, and 3 times 5 is 15. Adding the sides (8) or finding the distance around (16) does not count squares.
2. **B** – Area is counted with unit squares, which have sides of 1 unit.
3. **B** – 9 times 7 is 63. The number 16 comes from adding the sides and 32 is the distance around.
4. **C** – Since 5 times 9 is 45, the length is 9 feet. Adding or multiplying the given numbers does not find a missing side.
5. **A** – Break 8 into $5 + 3$ and multiply each part by 9: $45 + 27 = 72$. The other choices give 48, 63, and 168.
6. **A** – The top part is 3 times 2 = 6 and the bottom part is 7 times 3 = 21. Together they make 27. Using 5 by 7 gives 35, which covers extra space.
7. **B** – 4 times 9 is 36, and 9 times 4 is also 36. The others have areas 13, 42, and 72.
8. **D** – Multiply rows by tiles in each row: 9 times 6 is 54. Adding gives 15.
9. **D** – 6 times 4 is 24 and 5 times 3 is 15. Then $24 + 15 = 39$.
10. **A** – The side times itself must make 64, and 8 times 8 is 64. Dividing 64 by 4 gives 16, which is a different idea.

Remember

Remember

- A unit square has sides 1 unit long and an area of 1 square unit.
- Rectangle area = length $\times$ width (rows times squares in each row).
- Area is always written in square units, such as square feet.
- The distributive property splits a big rectangle into two small ones: $8 \times 6 = (5 \times 6) + (3 \times 6)$.
- Find the area of an L-shape by cutting it into rectangles and adding.

How to use this area quiz

Answer each question, read the explanation that appears, and keep track of your score. A score of 8 out of 10 or more means you are ready for the test.

Download the area quiz as a PDF with the button below and keep it with your notes.

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