Mathematics 6: Area and Conversion

Mathematics · Practice Test · 20 Questions

1. How many square centimeters are in 1 square meter?

A) 100 cm²
B) 1,000 cm²
C) 10,000 cm²
D) 100,000 cm²

2. What is the area of a rectangle measuring 10 m by 6 m?

A) 16 m²
B) 30 m²
C) 60 m²
D) 120 m²

3. What is the area of a square with a side length of 8 m?

A) 16 m²
B) 32 m²
C) 64 m²
D) 128 m²

4. What is 2 m² in square centimeters?

A) 2,000 cm²
B) 10,000 cm²
C) 20,000 cm²
D) 200,000 cm²

5. Convert 30,000 cm² to square meters.

A) 0.3 m²
B) 3 m²
C) 30 m²
D) 300 m²

6. What is the area of a triangle with a base of 12 m and a height of 5 m?

A) 17 m²
B) 30 m²
C) 60 m²
D) 120 m²

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7. What is 5 m² in square centimeters?

A) 500 cm²
B) 5,000 cm²
C) 50,000 cm²
D) 500,000 cm²

8. What is the area of a rectangular garden 8 m long and 5 m wide?

A) 13 m²
B) 20 m²
C) 40 m²
D) 80 m²

9. What is the area of a square with a side length of 6 cm?

A) 12 cm²
B) 24 cm²
C) 36 cm²
D) 48 cm²

10. Find the area of a triangle with a base of 10 cm and a height of 6 cm.

A) 16 cm²
B) 30 cm²
C) 60 cm²
D) 80 cm²

11. A composite figure consists of a 10 cm x 4 cm rectangle and a 4 cm side square. What is the total area?

A) 40 cm²
B) 44 cm²
C) 56 cm²
D) 64 cm²

12. A composite figure has two rectangles: 8 cm x 4 cm and 3 cm x 4 cm. What is the total area?

A) 32 cm²
B) 36 cm²
C) 44 cm²
D) 48 cm²

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13. A composite figure has a 5 cm square and a 5 cm x 3 cm rectangle. What is the total area?

A) 25 cm^2
B) 30 cm^2
C) 40 cm^2
D) 45 cm^2

14. Convert 50,000 cm^2 to square meters.

A) 0.5 m^2
B) 5 m^2
C) 50 m^2
D) 500 m^2

15. Convert 7 m^2 to square centimeters.

A) 7,000 cm^2
B) 70,000 cm^2
C) 700,000 cm^2
D) 7,000,000 cm^2

16. A composite figure has two squares with sides of 4 cm and 3 cm. What is the total area?

A) 7 cm^2
B) 12 cm^2
C) 25 cm^2
D) 49 cm^2

17. A 9 cm x 6 cm rectangle has a 6 cm base, 4 cm height triangle attached. What is the total area?

A) 54 cm^2
B) 60 cm^2
C) 66 cm^2
D) 72 cm^2

18. Convert 40,000 cm^2 to square meters.

A) 0.4 m^2
B) 4 m^2
C) 40 m^2
D) 400 cm^2

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19. A composite figure has a 6 m x 4 m rectangle and a 6 m base, 3 m height triangle. Total area?

A) 24 m²
B) 27 m²
C) 30 m²
D) 36 m²

20. A 49 cm² square and a 21 cm² rectangle are joined. What is the total area?

A) 28 cm²
B) 49 cm²
C) 70 cm²
D) 80 cm²

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