

Area and Volume - Practice Worksheet

Name: _____ Date: _____

Instructions: Solve each problem. Show your working. Round answers to 2 decimal places where needed. Use $\pi = 3.14$.

1. Find the area of a rectangle with length 8 cm and width 5 cm.

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2. Find the area of a square with side 7 m.

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

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4. Find the area of a circle with radius 4 cm. (Use $\pi = 3.14$)

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5. Find the volume of a rectangular prism with length 6 cm, width 4 cm, and height 3 cm.

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6. Find the volume of a cube with side 5 m.

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7. Find the volume of a cylinder with radius 3 cm and height 10 cm. (Use $\pi = 3.14$)

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8. A triangle has base 14 in and height 9 in. Find its area.

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9. Find the volume of a cone with radius 6 cm and height 12 cm. (Use $\pi = 3.14$)

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10. A rectangular room is 5 m long, 4 m wide, and 3 m tall. Find the volume of air in the room.

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11. Find the area of a parallelogram with base 11 cm and height 7 cm.

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12. A sphere has radius 5 cm. Find its volume. (Use $\pi = 3.14$)

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Answer Key

1. 40 cm^2

2. 49 m^2

3. 30 in^2

4. 50.24 cm^2

5. 72 cm^3

6. 125 m^3

7. 282.6 cm^3

8. 63 in^2

- 9. 452.16 cm³
- 10. 60 m³
- 11. 77 cm²
- 12. 523.33 cm³