

Name: _____

Date: _____

1. A rectangular prism is 4 units long, 8 units wide, and 6 units tall. What is its VOLUME?

- 184 units³
- 226 units³
- 192 units³
- 154 units³

2. A rectangular prism has length 2, width 8, and height 6. What is its SURFACE AREA?

- 149 units²
- 155 units²
- 150 units²
- 152 units²

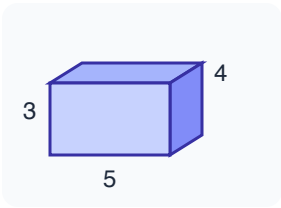
3. A cube has edge length 4 units. Its VOLUME is ____ cubic units.

4. A cube has edge length 5 units. What is its SURFACE AREA?

- 125 units²
- 150 units²
- 100 units²
- 25 units²

5. Find the volume of a $8 \times 5 \times 2$ prism. ____ cubic units

6. Find the SURFACE AREA of this $5 \times 4 \times 3$ prism (in square units).



7. A rectangular prism is 4 units long, 11 units wide, and 8 units tall. What is its VOLUME?

- 352 units³
- 291 units³
- 300 units³
- 311 units³

8. A rectangular prism has length 7, width 12, and height 7. What is its SURFACE AREA?

- 434 units²
- 411 units²
- 390 units²
- 384 units²

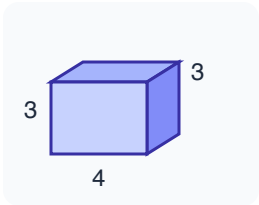
9. A cube has edge length 10 units. Its VOLUME is ____ cubic units.

10. A cube has edge length 3 units. What is its SURFACE AREA?

- 9 units²
- 27 units²
- 36 units²
- 54 units²

11. Find the volume of a $8 \times 5 \times 6$ prism. ____ cubic units

12. Find the SURFACE AREA of this $4 \times 3 \times 3$ prism (in square units).



13. A rectangular prism is 3 units long, 7 units wide, and 6 units tall. What is its VOLUME?

- 119 units³
- 125 units³
- 126 units³
- 101 units³

14. A rectangular prism has length 8, width 5, and height 6. What is its SURFACE AREA?

- 199 units²
- 255 units²
- 236 units²
- 251 units²

15. A cube has edge length 8 units. Its VOLUME is ____ cubic units.

16. A cube has edge length 2 units. What is its SURFACE AREA?

- 24 units²
- 16 units²
- 4 units²
- 8 units²

17. Find the volume of a $3 \times 6 \times 10$ prism. ____ cubic units

18. Find the SURFACE AREA of this $6 \times 2 \times 3$ prism (in square units).





Answer Key

1. **192 units³** Volume = $l \times w \times h = 4 \times 8 \times 6 = 192$ cubic units.
2. **152 units²** SA = $2(lw + lh + wh) = 2(16 + 12 + 48) = 152$ square units.
3. **64** Volume of a cube = $s^3 = 4^3 = 64$.
4. **150 units²** SA of a cube = $6s^2 = 6 \times 25 = 150$.
5. **80** $V = 8 \times 5 \times 2 = 80$.
6. **94** SA = 94.
7. **352 units³** Volume = $l \times w \times h = 4 \times 11 \times 8 = 352$ cubic units.
8. **434 units²** SA = $2(lw + lh + wh) = 2(84 + 49 + 84) = 434$ square units.
9. **1000** Volume of a cube = $s^3 = 10^3 = 1000$.
10. **54 units²** SA of a cube = $6s^2 = 6 \times 9 = 54$.
11. **240** $V = 8 \times 5 \times 6 = 240$.
12. **66** SA = 66.
13. **126 units³** Volume = $l \times w \times h = 3 \times 7 \times 6 = 126$ cubic units.
14. **236 units²** SA = $2(lw + lh + wh) = 2(40 + 48 + 30) = 236$ square units.
15. **512** Volume of a cube = $s^3 = 8^3 = 512$.
16. **24 units²** SA of a cube = $6s^2 = 6 \times 4 = 24$.
17. **180** $V = 3 \times 6 \times 10 = 180$.
18. **72** SA = 72.