

Name: _____

Date: _____

1. A rectangular prism is 6 units long, 7 units wide, and 11 units tall. What is its VOLUME?

- 462 units³
- 495 units³
- 445 units³
- 388 units³

2. A rectangular prism has length 7, width 5, and height 10. What is its SURFACE AREA?

- 297 units²
- 349 units²
- 310 units²
- 292 units²

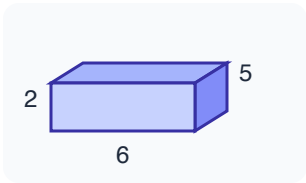
3. A cube has edge length 6 units. Its VOLUME is ____ cubic units.

4. A cube has edge length 7 units. What is its SURFACE AREA?

- 49 units²
- 196 units²
- 343 units²
- 294 units²

5. Find the volume of a $4 \times 7 \times 8$ prism. ____ cubic units

6. Find the SURFACE AREA of this $6 \times 5 \times 2$ prism (in square units).



7. A rectangular prism is 3 units long, 12 units wide, and 11 units tall. What is its VOLUME?

- 396 units³
- 445 units³
- 444 units³
- 472 units³

8. A rectangular prism has length 4, width 6, and height 2. What is its SURFACE AREA?

- 100 units²
- 102 units²
- 88 units²
- 89 units²

9. A cube has edge length 11 units. Its VOLUME is ____ cubic units.

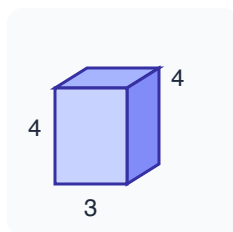
10. A cube has edge length 4 units. What is its SURFACE AREA?

- 64 units²
- 16 units²
- 112 units²
- 96 units²



11. Find the volume of a $9 \times 2 \times 3$ prism. ____ cubic units

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



13. A rectangular prism is 11 units long, 9 units wide, and 7 units tall. What is its VOLUME?

820 units³

717 units³

655 units³

693 units³

14. A rectangular prism has length 11, width 7, and height 12. What is its SURFACE AREA?

620 units²

489 units²

586 units²

593 units²

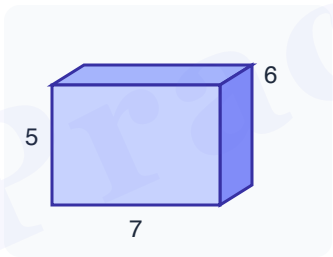
15. A cube has edge length 5 units. Its VOLUME is ____ cubic units.

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

- 400 units²
- 1000 units²
- 600 units²
- 100 units²

17. Find the volume of a $6 \times 7 \times 5$ prism. ____ cubic units

18. Find the SURFACE AREA of this $7 \times 6 \times 5$ prism (in square units).





Answer Key

1. **462 units³** Volume = $l \times w \times h = 6 \times 7 \times 11 = 462$ cubic units.
2. **310 units²** SA = $2(lw + lh + wh) = 2(35 + 70 + 50) = 310$ square units.
3. **216** Volume of a cube = $s^3 = 6^3 = 216$.
4. **294 units²** SA of a cube = $6s^2 = 6 \times 49 = 294$.
5. **224** $V = 4 \times 7 \times 8 = 224$.
6. **104** SA = 104.
7. **396 units³** Volume = $l \times w \times h = 3 \times 12 \times 11 = 396$ cubic units.
8. **88 units²** SA = $2(lw + lh + wh) = 2(24 + 8 + 12) = 88$ square units.
9. **1331** Volume of a cube = $s^3 = 11^3 = 1331$.
10. **96 units²** SA of a cube = $6s^2 = 6 \times 16 = 96$.
11. **54** $V = 9 \times 2 \times 3 = 54$.
12. **80** SA = 80.
13. **693 units³** Volume = $l \times w \times h = 11 \times 9 \times 7 = 693$ cubic units.
14. **586 units²** SA = $2(lw + lh + wh) = 2(77 + 132 + 84) = 586$ square units.
15. **125** Volume of a cube = $s^3 = 5^3 = 125$.
16. **600 units²** SA of a cube = $6s^2 = 6 \times 100 = 600$.
17. **210** $V = 6 \times 7 \times 5 = 210$.
18. **214** SA = 214.