Name: _____ Date: _____

1. A rectangular prism is 2 units long, 11 units wide, and 10 units tall. What is its VOLUME?

211 units³ | 202 units³ | 182 units³ | 220 units³

2. A rectangular prism has length 3, width 1, and height 4. What is its SURFACE AREA?

39 units² | 43 units² | 38 units² | 33 units²

3. A cube has edge length 1 units. Its VOLUME is ___ cubic units.

4. A cube has edge length 6 units. What is its SURFACE AREA?

36 units² | 144 units² | 216 units² | 252 units²

5. Which units are used to measure the surface area of a solid figure?

degrees (°) | cubic units (units³) | square units (units²) | linear units (units)

6. Find the volume of a 9 × 7 × 9 prism. ___ cubic units

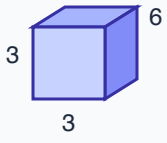
7. Which units are used to measure the volume of a solid figure?

cubic units (units³) | linear units (units) | degrees (°) | square units (units²)

8. What is the VOLUME of this rectangular prism?

32 units³ | 29 units³ | 33 units³ | 28 units³

9. Find the SURFACE AREA of this 3 × 6 × 3 prism (in square units).



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

605 units³ | 565 units³ | 604 units³ | 704 units³

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

371 units² | 406 units² | 389 units² | 456 units²

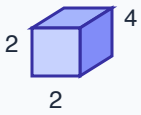
12. A cube has edge length 12 units. Its VOLUME is ___ cubic units.

13. A cube has edge length 1 units. What is its SURFACE AREA?

6 units² | 7 units² | 4 units² | 1 units²

14. Find the volume of a 7 × 2 × 9 prism. ___ cubic units

15. Find the SURFACE AREA of this 2 × 4 × 2 prism (in square units).



16. A rectangular prism is 5 units long, 5 units wide, and 9 units tall. What is its VOLUME?

256 units³ | 245 units³ | 225 units³ | 257 units³

17. A rectangular prism has length 4, width 7, and height 4. What is its SURFACE AREA?

120 units² | 144 units² | 140 units² | 150 units²

18. A cube has edge length 3 units. Its VOLUME is ___ cubic units.

Answer Key

1. **220 units³** Volume = l × w × h = 2 × 11 × 10 = 220 cubic units.

2. **38 units²** SA = 2(lw + lh + wh) = 2(3 + 12 + 4) = 38 square units.

3. **1** Volume of a cube = $s^3 = 1^3 = 1$.

4. **216 units²** SA of a cube = $6s^2 = 6 \times 36 = 216$.

5. **square units (units²)** Surface area is measured in square units (units²).

6. **567** V = 9 × 7 × 9 = 567.

7. **cubic units (units³)** Volume is measured in cubic units (units³).

8. **32 units³** V = 8 × 2 × 2 = 32 cubic units.

9. **90** SA = 90.

10. **704 units³** Volume = l × w × h = 8 × 8 × 11 = 704 cubic units.

11. **406 units²** SA = 2(lw + lh + wh) = 2(77 + 77 + 49) = 406 square units.

12. **1728** Volume of a cube = $s^3 = 12^3 = 1728$.

13. **6 units²** SA of a cube = $6s^2 = 6 \times 1 = 6$.

14. **126** V = 7 × 2 × 9 = 126.

15. **40** SA = 40.

16. **225 units³** Volume = l × w × h = 5 × 5 × 9 = 225 cubic units.

17. **144 units²** SA = 2(lw + lh + wh) = 2(28 + 16 + 28) = 144 square units.

18. **27** Volume of a cube = $s^3 = 3^3 = 27$.