



Name: _____

Date: _____

1. What is the volume of a box $5 \times 10 \times 2$?

105

95

100

99

2. A cube has side 9. Its volume is ____ cubic units.

3. A box has volume 96 cubic cm and a base of 2×8 . What is its height? ____

4. A box is filled with unit cubes: 15 cubes per layer, 4 layers. What is the total volume?

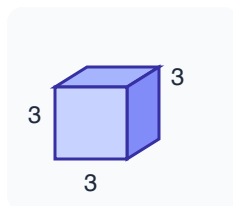
56

59

60

68

5. What is the volume of this cube (side 3)?





6. What is the volume of a box $8 \times 5 \times 10$?

465

400

345

331

7. A cube has side 7. Its volume is ____ cubic units.

8. A box has volume 126 cubic cm and a base of 7×6 . What is its height? ____

9. A box is filled with unit cubes: 40 cubes per layer, 4 layers. What is the total volume?

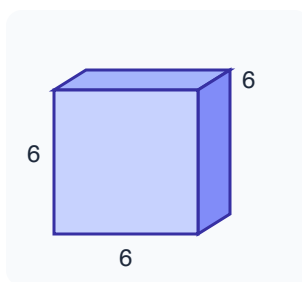
160

152

154

158

10. What is the volume of this cube (side 6)?





11. What is the volume of a box $3 \times 5 \times 6$?

100

90

88

67

12. A cube has side 6. Its volume is ____ cubic units.

13. A box has volume 42 cubic cm and a base of 3×7 . What is its height? ____

14. A box is filled with unit cubes: 18 cubes per layer, 6 layers. What is the total volume?

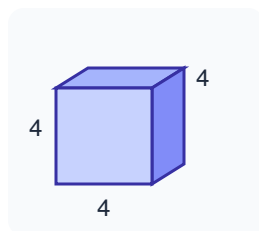
105

108

109

100

15. What is the volume of this cube (side 4)?





16. What is the volume of a box $9 \times 3 \times 7$?

179

166

215

189

17. A cube has side 3. Its volume is ____ cubic units.

18. A box has volume 63 cubic cm and a base of 3×7 . What is its height? ____



Answer Key

1. **100** Volume = $5 \times 10 \times 2 = 100$ cubic units.

2. **729** Volume of a cube = $9^3 = 729$.

3. **6** Height = $96 \div (2 \times 8) = 96 \div 16 = 6$.

4. **60** $15 \times 4 = 60$ cubic units.

5. **27** $V = 3^3 = 27$.

6. **400** Volume = $8 \times 5 \times 10 = 400$ cubic units.

7. **343** Volume of a cube = $7^3 = 343$.

8. **3** Height = $126 \div (7 \times 6) = 126 \div 42 = 3$.

9. **160** $40 \times 4 = 160$ cubic units.

10. **216** $V = 6^3 = 216$.

11. **90** Volume = $3 \times 5 \times 6 = 90$ cubic units.

12. **216** Volume of a cube = $6^3 = 216$.

13. **2** Height = $42 \div (3 \times 7) = 42 \div 21 = 2$.

14. **108** $18 \times 6 = 108$ cubic units.

15. **64** $V = 4^3 = 64$.

16. **189** Volume = $9 \times 3 \times 7 = 189$ cubic units.

17. **27** Volume of a cube = $3^3 = 27$.

18. **3** Height = $63 \div (3 \times 7) = 63 \div 21 = 3$.