



Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. What is the volume of a box  $7 \times 10 \times 9$ ?

775

630

718

490

2. A cube has side 10. Its volume is \_\_\_\_ cubic units.

3. A box has volume 80 cubic cm and a base of  $5 \times 2$ . What is its height? \_\_\_\_

4. A box is filled with unit cubes: 36 cubes per layer, 5 layers. What is the total volume?

180

186

178

175

5. What is the volume of a box  $6 \times 7 \times 9$ ?

323

333

407

378

6. A box has volume 60 cubic cm and a base of  $2 \times 6$ . What is its height? \_\_\_\_



7. A box is filled with unit cubes: 16 cubes per layer, 4 layers. What is the total volume?

60

71

57

64

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8. What is the volume of a box  $11 \times 2 \times 7$ ?

117

154

138

187

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9. A box has volume 42 cubic cm and a base of  $7 \times 3$ . What is its height? \_\_\_\_

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10. A box is filled with unit cubes: 24 cubes per layer, 4 layers. What is the total volume?

102

104

97

96

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11. What is the volume of a box  $7 \times 7 \times 6$ ?

333

332

339

294

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12. A box has volume 12 cubic cm and a base of  $2 \times 2$ . What is its height? \_\_\_\_

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- 13.** A box is filled with unit cubes: 20 cubes per layer, 5 layers. What is the total volume?

104

95

101

100

- 14.** What is the volume of a box  $12 \times 7 \times 9$ ?

846

697

756

715

- 15.** A box has volume 60 cubic cm and a base of  $5 \times 3$ . What is its height? \_\_\_\_

- 16.** A box is filled with unit cubes: 24 cubes per layer, 6 layers. What is the total volume?

149

142

147

144

- 17.** What is the volume of a box  $12 \times 9 \times 11$ ?

1214

1225

1188

1315

- 18.** A box has volume 240 cubic cm and a base of  $6 \times 8$ . What is its height? \_\_\_\_



## Answer Key

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1. **630** Volume =  $7 \times 10 \times 9 = 630$  cubic units.
2. **1000** Volume of a cube =  $10^3 = 1000$ .
3. **8** Height =  $80 \div (5 \times 2) = 80 \div 10 = 8$ .
4. **180**  $36 \times 5 = 180$  cubic units.
5. **378** Volume =  $6 \times 7 \times 9 = 378$  cubic units.
6. **5** Height =  $60 \div (2 \times 6) = 60 \div 12 = 5$ .
7. **64**  $16 \times 4 = 64$  cubic units.
8. **154** Volume =  $11 \times 2 \times 7 = 154$  cubic units.
9. **2** Height =  $42 \div (7 \times 3) = 42 \div 21 = 2$ .
10. **96**  $24 \times 4 = 96$  cubic units.
11. **294** Volume =  $7 \times 7 \times 6 = 294$  cubic units.
12. **3** Height =  $12 \div (2 \times 2) = 12 \div 4 = 3$ .
13. **100**  $20 \times 5 = 100$  cubic units.
14. **756** Volume =  $12 \times 7 \times 9 = 756$  cubic units.
15. **4** Height =  $60 \div (5 \times 3) = 60 \div 15 = 4$ .
16. **144**  $24 \times 6 = 144$  cubic units.
17. **1188** Volume =  $12 \times 9 \times 11 = 1188$  cubic units.
18. **5** Height =  $240 \div (6 \times 8) = 240 \div 48 = 5$ .