

**Solve each problem.****Answers**

- 1) A cube has width of 9 cm. What is the volume of the cube?
- 2) A rectangular prism has a width of 2 cm, a height of 9 cm and a depth of 6 cm. What is the volume of the prism?
- 3) A rectangular prism has a width of 4 cm, a height of 2 cm and a depth of 9 cm. What is the volume of the prism?
- 4) A cube has depth of 6 cm. What is the volume of the cube?
- 5) A rectangular prism has a width of 7 cm, a height of 8 cm and a depth of 9 cm. What is the volume of the prism?
- 6) A cube has height of 6 cm. What is the volume of the cube?
- 7) What is the volume of a figure with that is 6 inches wide, 6 inches tall and 7 inches long?
- 8) A rectangular prism has a width of 10 cm, a height of 2 cm and a depth of 4 cm. What is the volume of the prism?
- 9) A cube has height of 5 cm. What is the volume of the cube?
- 10) What is the volume of a figure with that is 3 inches wide, 3 inches tall and 2 inches long?

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- 1) A cube has width of 9 cm. What is the volume of the cube?
- 2) A rectangular prism has a width of 2 cm, a height of 9 cm and a depth of 6 cm. What is the volume of the prism?
- 3) A rectangular prism has a width of 4 cm, a height of 2 cm and a depth of 9 cm. What is the volume of the prism?
- 4) A cube has depth of 6 cm. What is the volume of the cube?
- 5) A rectangular prism has a width of 7 cm, a height of 8 cm and a depth of 9 cm. What is the volume of the prism?
- 6) A cube has height of 6 cm. What is the volume of the cube?
- 7) What is the volume of a figure with that is 6 inches wide, 6 inches tall and 7 inches long?
- 8) A rectangular prism has a width of 10 cm, a height of 2 cm and a depth of 4 cm. What is the volume of the prism?
- 9) A cube has height of 5 cm. What is the volume of the cube?
- 10) What is the volume of a figure with that is 3 inches wide, 3 inches tall and 2 inches long?

1. **729 mm³**
2. **108 ft³**
3. **72 in³**
4. **216 ft³**
5. **504 in³**
6. **216 mm³**
7. **252 cm³**
8. **80 ft³**
9. **125 cm³**
10. **18 in³**

**Solve each problem.****Answers**

- 1) A cube has width of 10 cm. What is the volume of the cube?
- 2) What is the volume of a figure with that is 5 inches wide, 8 inches tall and 4 inches long?
- 3) A cube has depth of 2 cm. What is the volume of the cube?
- 4) What is the volume of a figure with that is 9 inches wide, 4 inches tall and 3 inches long?
- 5) A rectangular prism has a width of 2 cm, a height of 6 cm and a depth of 7 cm. What is the volume of the prism?
- 6) A rectangular prism has a width of 4 cm, a height of 6 cm and a depth of 4 cm. What is the volume of the prism?
- 7) A rectangular prism has a width of 2 cm, a height of 6 cm and a depth of 2 cm. What is the volume of the prism?
- 8) What is the volume of a figure with that is 2 inches wide, 10 inches tall and 8 inches long?
- 9) A rectangular prism has a width of 3 cm, a height of 5 cm and a depth of 7 cm. What is the volume of the prism?
- 10) A cube has width of 4 cm. What is the volume of the cube?

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**Solve each problem.**

- 1) A cube has width of 10 cm. What is the volume of the cube?
- 2) What is the volume of a figure with that is 5 inches wide, 8 inches tall and 4 inches long?
- 3) A cube has depth of 2 cm. What is the volume of the cube?
- 4) What is the volume of a figure with that is 9 inches wide, 4 inches tall and 3 inches long?
- 5) A rectangular prism has a width of 2 cm, a height of 6 cm and a depth of 7 cm. What is the volume of the prism?
- 6) A rectangular prism has a width of 4 cm, a height of 6 cm and a depth of 4 cm. What is the volume of the prism?
- 7) A rectangular prism has a width of 2 cm, a height of 6 cm and a depth of 2 cm. What is the volume of the prism?
- 8) What is the volume of a figure with that is 2 inches wide, 10 inches tall and 8 inches long?
- 9) A rectangular prism has a width of 3 cm, a height of 5 cm and a depth of 7 cm. What is the volume of the prism?
- 10) A cube has width of 4 cm. What is the volume of the cube?

Answers

1. **1000 ft³**
2. **160 cm³**
3. **8 cm³**
4. **108 in³**
5. **84 ft³**
6. **96 mm³**
7. **24 mm³**
8. **160 mm³**
9. **105 mm³**
10. **64 ft³**

**Solve each problem.****Answers**

- 1) A rectangular prism has a width of 10 cm, a height of 7 cm and a depth of 6 cm. What is the volume of the prism?
- 2) What is the volume of a figure with that is 7 inches wide, 6 inches tall and 3 inches long?
- 3) A cube has height of 10 cm. What is the volume of the cube?
- 4) What is the volume of a figure with that is 8 inches wide, 10 inches tall and 3 inches long?
- 5) What is the volume of a figure with that is 3 inches wide, 6 inches tall and 7 inches long?
- 6) A rectangular prism has a width of 5 cm, a height of 8 cm and a depth of 9 cm. What is the volume of the prism?
- 7) A cube has width of 9 cm. What is the volume of the cube?
- 8) A rectangular prism has a width of 10 cm, a height of 6 cm and a depth of 4 cm. What is the volume of the prism?
- 9) A rectangular prism has a width of 9 cm, a height of 9 cm and a depth of 6 cm. What is the volume of the prism?
- 10) A cube has width of 6 cm. What is the volume of the cube?

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**Solve each problem.**

- 1) A rectangular prism has a width of 10 cm, a height of 7 cm and a depth of 6 cm. What is the volume of the prism?
- 2) What is the volume of a figure with that is 7 inches wide, 6 inches tall and 3 inches long?
- 3) A cube has height of 10 cm. What is the volume of the cube?
- 4) What is the volume of a figure with that is 8 inches wide, 10 inches tall and 3 inches long?
- 5) What is the volume of a figure with that is 3 inches wide, 6 inches tall and 7 inches long?
- 6) A rectangular prism has a width of 5 cm, a height of 8 cm and a depth of 9 cm. What is the volume of the prism?
- 7) A cube has width of 9 cm. What is the volume of the cube?
- 8) A rectangular prism has a width of 10 cm, a height of 6 cm and a depth of 4 cm. What is the volume of the prism?
- 9) A rectangular prism has a width of 9 cm, a height of 9 cm and a depth of 6 cm. What is the volume of the prism?
- 10) A cube has width of 6 cm. What is the volume of the cube?

Answers

1. **420 mm^3**
2. **126 cm^3**
3. **1000 in^3**
4. **240 mm^3**
5. **126 cm^3**
6. **360 cm^3**
7. **729 ft^3**
8. **240 mm^3**
9. **486 ft^3**
10. **216 ft^3**

**Solve each problem.****Answers**

- 1) A rectangular prism has a width of 3 cm, a height of 4 cm and a depth of 9 cm. What is the volume of the prism?
- 2) A cube has height of 4 cm. What is the volume of the cube?
- 3) What is the volume of a figure with that is 8 inches wide, 7 inches tall and 5 inches long?
- 4) A rectangular prism has a width of 2 cm, a height of 10 cm and a depth of 10 cm. What is the volume of the prism?
- 5) A rectangular prism has a width of 6 cm, a height of 7 cm and a depth of 5 cm. What is the volume of the prism?
- 6) A cube has depth of 9 cm. What is the volume of the cube?
- 7) A cube has depth of 8 cm. What is the volume of the cube?
- 8) What is the volume of a figure with that is 6 inches wide, 10 inches tall and 5 inches long?
- 9) A rectangular prism has a width of 4 cm, a height of 9 cm and a depth of 2 cm. What is the volume of the prism?
- 10) What is the volume of a figure with that is 5 inches wide, 4 inches tall and 9 inches long?

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**Solve each problem.****Answers**

- 1) A rectangular prism has a width of 3 cm, a height of 4 cm and a depth of 9 cm. What is the volume of the prism?
- 2) A cube has height of 4 cm. What is the volume of the cube?
- 3) What is the volume of a figure with that is 8 inches wide, 7 inches tall and 5 inches long?
- 4) A rectangular prism has a width of 2 cm, a height of 10 cm and a depth of 10 cm. What is the volume of the prism?
- 5) A rectangular prism has a width of 6 cm, a height of 7 cm and a depth of 5 cm. What is the volume of the prism?
- 6) A cube has depth of 9 cm. What is the volume of the cube?
- 7) A cube has depth of 8 cm. What is the volume of the cube?
- 8) What is the volume of a figure with that is 6 inches wide, 10 inches tall and 5 inches long?
- 9) A rectangular prism has a width of 4 cm, a height of 9 cm and a depth of 2 cm. What is the volume of the prism?
- 10) What is the volume of a figure with that is 5 inches wide, 4 inches tall and 9 inches long?

1. **108 mm³**
2. **64 mm³**
3. **280 in³**
4. **200 ft³**
5. **210 mm³**
6. **729 in³**
7. **512 cm³**
8. **300 ft³**
9. **72 in³**
10. **180 cm³**

**Solve each problem.****Answers**

- 1) A rectangular prism has a width of 7 cm, a height of 4 cm and a depth of 10 cm. What is the volume of the prism?
- 2) What is the volume of a figure with that is 7 inches wide, 3 inches tall and 4 inches long?
- 3) A rectangular prism has a width of 6 cm, a height of 5 cm and a depth of 10 cm. What is the volume of the prism?
- 4) What is the volume of a figure with that is 2 inches wide, 6 inches tall and 8 inches long?
- 5) A cube has depth of 3 cm. What is the volume of the cube?
- 6) A rectangular prism has a width of 2 cm, a height of 3 cm and a depth of 6 cm. What is the volume of the prism?
- 7) What is the volume of a figure with that is 2 inches wide, 9 inches tall and 5 inches long?
- 8) A cube has width of 5 cm. What is the volume of the cube?
- 9) A rectangular prism has a width of 5 cm, a height of 6 cm and a depth of 5 cm. What is the volume of the prism?
- 10) A cube has width of 9 cm. What is the volume of the cube?

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**Solve each problem.****Answers**

- 1) A rectangular prism has a width of 7 cm, a height of 4 cm and a depth of 10 cm. What is the volume of the prism?
- 2) What is the volume of a figure with that is 7 inches wide, 3 inches tall and 4 inches long?
- 3) A rectangular prism has a width of 6 cm, a height of 5 cm and a depth of 10 cm. What is the volume of the prism?
- 4) What is the volume of a figure with that is 2 inches wide, 6 inches tall and 8 inches long?
- 5) A cube has depth of 3 cm. What is the volume of the cube?
- 6) A rectangular prism has a width of 2 cm, a height of 3 cm and a depth of 6 cm. What is the volume of the prism?
- 7) What is the volume of a figure with that is 2 inches wide, 9 inches tall and 5 inches long?
- 8) A cube has width of 5 cm. What is the volume of the cube?
- 9) A rectangular prism has a width of 5 cm, a height of 6 cm and a depth of 5 cm. What is the volume of the prism?
- 10) A cube has width of 9 cm. What is the volume of the cube?

1. **280 ft³**
2. **84 ft³**
3. **300 in³**
4. **96 cm³**
5. **27 in³**
6. **36 cm³**
7. **90 ft³**
8. **125 ft³**
9. **150 in³**
10. **729 mm³**

**Solve each problem.****Answers**

- 1) What is the volume of a figure with that is 6 inches wide, 5 inches tall and 7 inches long?
- 2) A cube has height of 7 cm. What is the volume of the cube?
- 3) What is the volume of a figure with that is 2 inches wide, 5 inches tall and 8 inches long?
- 4) A cube has depth of 4 cm. What is the volume of the cube?
- 5) A cube has depth of 4 cm. What is the volume of the cube?
- 6) A rectangular prism has a width of 2 cm, a height of 9 cm and a depth of 3 cm. What is the volume of the prism?
- 7) A rectangular prism has a width of 7 cm, a height of 7 cm and a depth of 10 cm. What is the volume of the prism?
- 8) What is the volume of a figure with that is 10 inches wide, 9 inches tall and 4 inches long?
- 9) A rectangular prism has a width of 6 cm, a height of 8 cm and a depth of 3 cm. What is the volume of the prism?
- 10) A rectangular prism has a width of 7 cm, a height of 9 cm and a depth of 10 cm. What is the volume of the prism?

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**Solve each problem.****Answers**

- 1) What is the volume of a figure with that is 6 inches wide, 5 inches tall and 7 inches long?
- 2) A cube has height of 7 cm. What is the volume of the cube?
- 3) What is the volume of a figure with that is 2 inches wide, 5 inches tall and 8 inches long?
- 4) A cube has depth of 4 cm. What is the volume of the cube?
- 5) A cube has depth of 4 cm. What is the volume of the cube?
- 6) A rectangular prism has a width of 2 cm, a height of 9 cm and a depth of 3 cm. What is the volume of the prism?
- 7) A rectangular prism has a width of 7 cm, a height of 7 cm and a depth of 10 cm. What is the volume of the prism?
- 8) What is the volume of a figure with that is 10 inches wide, 9 inches tall and 4 inches long?
- 9) A rectangular prism has a width of 6 cm, a height of 8 cm and a depth of 3 cm. What is the volume of the prism?
- 10) A rectangular prism has a width of 7 cm, a height of 9 cm and a depth of 10 cm. What is the volume of the prism?

1. **210 in³**
2. **343 mm³**
3. **80 ft³**
4. **64 mm³**
5. **64 ft³**
6. **54 cm³**
7. **490 ft³**
8. **360 ft³**
9. **144 ft³**
10. **630 cm³**

**Solve each problem.****Answers**

- 1) What is the volume of a figure with that is 6 inches wide, 3 inches tall and 8 inches long?
- 2) A rectangular prism has a width of 8 cm, a height of 9 cm and a depth of 6 cm. What is the volume of the prism?
- 3) What is the volume of a figure with that is 2 inches wide, 6 inches tall and 5 inches long?
- 4) What is the volume of a figure with that is 8 inches wide, 7 inches tall and 10 inches long?
- 5) A rectangular prism has a width of 2 cm, a height of 3 cm and a depth of 8 cm. What is the volume of the prism?
- 6) A cube has height of 9 cm. What is the volume of the cube?
- 7) A cube has height of 3 cm. What is the volume of the cube?
- 8) A rectangular prism has a width of 9 cm, a height of 3 cm and a depth of 8 cm. What is the volume of the prism?
- 9) A rectangular prism has a width of 9 cm, a height of 6 cm and a depth of 3 cm. What is the volume of the prism?
- 10) A cube has height of 9 cm. What is the volume of the cube?

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**Solve each problem.****Answers**

- 1) What is the volume of a figure with that is 6 inches wide, 3 inches tall and 8 inches long?
- 2) A rectangular prism has a width of 8 cm, a height of 9 cm and a depth of 6 cm. What is the volume of the prism?
- 3) What is the volume of a figure with that is 2 inches wide, 6 inches tall and 5 inches long?
- 4) What is the volume of a figure with that is 8 inches wide, 7 inches tall and 10 inches long?
- 5) A rectangular prism has a width of 2 cm, a height of 3 cm and a depth of 8 cm. What is the volume of the prism?
- 6) A cube has height of 9 cm. What is the volume of the cube?
- 7) A cube has height of 3 cm. What is the volume of the cube?
- 8) A rectangular prism has a width of 9 cm, a height of 3 cm and a depth of 8 cm. What is the volume of the prism?
- 9) A rectangular prism has a width of 9 cm, a height of 6 cm and a depth of 3 cm. What is the volume of the prism?
- 10) A cube has height of 9 cm. What is the volume of the cube?

1. **144 ft³**
2. **432 in³**
3. **60 mm³**
4. **560 ft³**
5. **48 ft³**
6. **729 ft³**
7. **27 in³**
8. **216 cm³**
9. **162 in³**
10. **729 mm³**

**Solve each problem.****Answers**

- 1) A cube has depth of 7 cm. What is the volume of the cube?
- 2) A cube has height of 3 cm. What is the volume of the cube?
- 3) What is the volume of a figure with that is 7 inches wide, 8 inches tall and 3 inches long?
- 4) What is the volume of a figure with that is 7 inches wide, 5 inches tall and 6 inches long?
- 5) A cube has depth of 7 cm. What is the volume of the cube?
- 6) A rectangular prism has a width of 9 cm, a height of 9 cm and a depth of 4 cm. What is the volume of the prism?
- 7) A rectangular prism has a width of 10 cm, a height of 9 cm and a depth of 4 cm. What is the volume of the prism?
- 8) A rectangular prism has a width of 8 cm, a height of 10 cm and a depth of 2 cm. What is the volume of the prism?
- 9) A cube has depth of 8 cm. What is the volume of the cube?
- 10) A rectangular prism has a width of 4 cm, a height of 8 cm and a depth of 4 cm. What is the volume of the prism?

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**Solve each problem.**

- 1) A cube has depth of 7 cm. What is the volume of the cube?
- 2) A cube has height of 3 cm. What is the volume of the cube?
- 3) What is the volume of a figure with that is 7 inches wide, 8 inches tall and 3 inches long?
- 4) What is the volume of a figure with that is 7 inches wide, 5 inches tall and 6 inches long?
- 5) A cube has depth of 7 cm. What is the volume of the cube?
- 6) A rectangular prism has a width of 9 cm, a height of 9 cm and a depth of 4 cm. What is the volume of the prism?
- 7) A rectangular prism has a width of 10 cm, a height of 9 cm and a depth of 4 cm. What is the volume of the prism?
- 8) A rectangular prism has a width of 8 cm, a height of 10 cm and a depth of 2 cm. What is the volume of the prism?
- 9) A cube has depth of 8 cm. What is the volume of the cube?
- 10) A rectangular prism has a width of 4 cm, a height of 8 cm and a depth of 4 cm. What is the volume of the prism?

Answers

1. **343 cm^3**
2. **27 mm^3**
3. **168 in^3**
4. **210 mm^3**
5. **343 mm^3**
6. **324 in^3**
7. **360 in^3**
8. **160 ft^3**
9. **512 mm^3**
10. **128 cm^3**

**Solve each problem.****Answers**

- 1) What is the volume of a figure with that is 2 inches wide, 4 inches tall and 8 inches long?
- 2) A rectangular prism has a width of 9 cm, a height of 4 cm and a depth of 6 cm. What is the volume of the prism?
- 3) A rectangular prism has a width of 7 cm, a height of 2 cm and a depth of 3 cm. What is the volume of the prism?
- 4) A cube has depth of 2 cm. What is the volume of the cube?
- 5) A rectangular prism has a width of 4 cm, a height of 2 cm and a depth of 3 cm. What is the volume of the prism?
- 6) What is the volume of a figure with that is 10 inches wide, 6 inches tall and 8 inches long?
- 7) A cube has height of 10 cm. What is the volume of the cube?
- 8) A cube has height of 2 cm. What is the volume of the cube?
- 9) A rectangular prism has a width of 9 cm, a height of 4 cm and a depth of 6 cm. What is the volume of the prism?
- 10) What is the volume of a figure with that is 6 inches wide, 8 inches tall and 3 inches long?

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**Solve each problem.****Answers**

- 1) What is the volume of a figure with that is 2 inches wide, 4 inches tall and 8 inches long?
- 2) A rectangular prism has a width of 9 cm, a height of 4 cm and a depth of 6 cm. What is the volume of the prism?
- 3) A rectangular prism has a width of 7 cm, a height of 2 cm and a depth of 3 cm. What is the volume of the prism?
- 4) A cube has depth of 2 cm. What is the volume of the cube?
- 5) A rectangular prism has a width of 4 cm, a height of 2 cm and a depth of 3 cm. What is the volume of the prism?
- 6) What is the volume of a figure with that is 10 inches wide, 6 inches tall and 8 inches long?
- 7) A cube has height of 10 cm. What is the volume of the cube?
- 8) A cube has height of 2 cm. What is the volume of the cube?
- 9) A rectangular prism has a width of 9 cm, a height of 4 cm and a depth of 6 cm. What is the volume of the prism?
- 10) What is the volume of a figure with that is 6 inches wide, 8 inches tall and 3 inches long?

1. **64 in^3**
2. **216 cm^3**
3. **42 in^3**
4. **8 ft^3**
5. **24 in^3**
6. **480 ft^3**
7. **1000 in^3**
8. **8 mm^3**
9. **216 mm^3**
10. **144 ft^3**

**Solve each problem.****Answers**

- 1) A cube has height of 10 cm. What is the volume of the cube?
- 2) A cube has height of 9 cm. What is the volume of the cube?
- 3) What is the volume of a figure with that is 2 inches wide, 7 inches tall and 5 inches long?
- 4) A cube has height of 8 cm. What is the volume of the cube?
- 5) A rectangular prism has a width of 10 cm, a height of 5 cm and a depth of 9 cm. What is the volume of the prism?
- 6) What is the volume of a figure with that is 2 inches wide, 3 inches tall and 3 inches long?
- 7) What is the volume of a figure with that is 9 inches wide, 8 inches tall and 4 inches long?
- 8) A rectangular prism has a width of 3 cm, a height of 9 cm and a depth of 10 cm. What is the volume of the prism?
- 9) A rectangular prism has a width of 7 cm, a height of 10 cm and a depth of 10 cm. What is the volume of the prism?
- 10) A rectangular prism has a width of 8 cm, a height of 9 cm and a depth of 2 cm. What is the volume of the prism?

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**Solve each problem.****Answers**

- 1) A cube has height of 10 cm. What is the volume of the cube?
- 2) A cube has height of 9 cm. What is the volume of the cube?
- 3) What is the volume of a figure with that is 2 inches wide, 7 inches tall and 5 inches long?
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- 5) A rectangular prism has a width of 10 cm, a height of 5 cm and a depth of 9 cm. What is the volume of the prism?
- 6) What is the volume of a figure with that is 2 inches wide, 3 inches tall and 3 inches long?
- 7) What is the volume of a figure with that is 9 inches wide, 8 inches tall and 4 inches long?
- 8) A rectangular prism has a width of 3 cm, a height of 9 cm and a depth of 10 cm. What is the volume of the prism?
- 9) A rectangular prism has a width of 7 cm, a height of 10 cm and a depth of 10 cm. What is the volume of the prism?
- 10) A rectangular prism has a width of 8 cm, a height of 9 cm and a depth of 2 cm. What is the volume of the prism?

1. **1000 ft³**
2. **729 ft³**
3. **70 in³**
4. **512 cm³**
5. **450 mm³**
6. **18 mm³**
7. **288 mm³**
8. **270 in³**
9. **700 ft³**
10. **144 ft³**