

**Solve each problem.**

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

**Answers**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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**Answers**

1. 120 in<sup>3</sup>
2. 432 cm<sup>3</sup>
3. 343 cm<sup>3</sup>
4. 126 cm<sup>3</sup>
5. 96 in<sup>3</sup>
6. 96 mm<sup>3</sup>
7. 64 in<sup>3</sup>
8. 1000 mm<sup>3</sup>
9. 210 cm<sup>3</sup>
10. 270 mm<sup>3</sup>