

Word problem involving the volume of a rectangular prism: Worksheet 7.1

Name Date Score

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



Solutions: Worksheet 7.1

1. Volume of prism = 224 cu cm
2. Volume of figure = 504 cu in
3. Volume of cube = 8 cu m
4. Volume of cube = 729 cu mm
5. Volume of prism = 300 cu cm
6. Volume of figure = 240 cu in
7. Volume of cube = 343 cu cm
8. Volume of figure = 60 cu in
9. Volume of prism = 40 cu cm
10. Volume of cube = 512 cu km

