

Word problem involving the volume of a rectangular prism: Worksheet 7.3

Name Date Score

1. A rectangular prism has a width of 10 cm, a height of 3 cm and a depth of 7 cm. What is the volume of the prism?
2. A cube has width of 12 m. What is the volume of the cube?
3. A rectangular prism has a width of 4 m, a height of 9 m and a depth of 2 m. What is the volume of the prism?
4. A rectangular prism has a width of 10 mm, a height of 5 mm and a depth of 5 mm. What is the volume of the prism?
5. What is the volume of a figure that is 8 inches wide, 8 inches tall and 7 inches long?
6. A cube has width of 5 cm. What is the volume of the cube?
7. What is the volume of a figure that is 6 inches wide, 4 inches tall and 5 inches long?
8. A cube has depth of 2.5 mm. What is the volume of the cube?
9. A cube has depth of 3.2 cm. What is the volume of the cube?
10. A rectangular prism has a width of 8 m, a height of 7 m and a depth of 7 m. What is the volume of the prism?



Solutions: Worksheet 7.3

1. Volume of prism = 210 cu cm
2. Volume of cube = 1728 cu m
3. Volume of prism = 72 cu m
4. Volume of prism = 250 cu mm
5. Volume of figure = 448 cu in
6. Volume of cube = 125 cu cm
7. Volume of figure = 120 cu in
8. Volume of cube = 15.63 cu mm
9. Volume of cube = 32.77 cu cm
10. Volume of prism = 392 cu m

