

Volume or Surface Area

Name: _____

Date: _____

Solve the problems.

- 1) The perimeter of a rectangular tent is 28 feet. The tent is 10 feet long. How wide is it?
4 ft
- 2) A mat had a length of 8 meters and a perimeter of 34. What is the width of a mat?

- 3) A rectangular prism has a width of 9 cm, a height of 10 cm and a depth of 5 cm. What is the volume of the prism?

- 4) What is the volume of a box which is 2 inches wide, 9 inches tall and 8 inches long?

- 5) A rectangular prism has a width of 6 cm, a height of 9 cm and a depth of 5 cm. What is the volume of the prism?

- 6) What is the volume of a box, if the box is 6 inches wide, 3 inches tall and 4 inches long?

- 7) A rectangular prism has a width of 4 cm, a height of 7 cm and a depth of 3 cm. What is the surface area of a rectangular prism?

- 8) A cube has length of 9 cm. What is the volume of the cube?

- 9) If the surface area of a rectangular prism is 318 m^2 , width is 9 m length is 7 m then find the height of the prism?

- 10) The volume of this cube is 216 units. What is its surface area?

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- 2) A mat had a length of 8 meters and a perimeter of 34. What is the width of a mat?

9 m

- 3) A rectangular prism has a width of 9 cm, a height of 10 cm and a depth of 5 cm. What is the volume of the prism?

450 cm³

- 4) What is the volume of a box which is 2 inches wide, 9 inches tall and 8 inches long?

144 in³

- 5) A rectangular prism has a width of 6 cm, a height of 9 cm and a depth of 5 cm. What is the volume of the prism?

270cm³

- 6) What is the volume of a box, if the box is 6 inches wide, 3 inches tall and 4 inches long?

72 in³

- 7) A rectangular prism has a width of 4 cm, a height of 7 cm and a depth of 3 cm. What is the surface area of a rectangular prism?

122 cm²

- 8) A cube has length of 9 cm. What is the volume of the cube?

729 cm³

- 9) If the surface area of a rectangular prism is 318 m², width is 9 m length is 7 m then find the height of the prism?

6 m

- 10) The volume of this cube is 216 units. What is its surface area?

216 units
