

Volume or Surface Area

Name: _____

Date: _____

Solve the problems.

- 1) A desk is 6 feet wide and 5 feet long. It is 4 feet above the floor. What is the volume of space under the desk?

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

- 3) What is the volume of a box which is 5 cm wide, 7 cm tall and 10 cm long?

- 4) A cube has length of 7 m. What is the volume of the cube?

- 5) If the surface area of a rectangular prism is 446 m^2 , width is 9 m length is 7 m then find the height of the prism?

- 6) A box is 7 in long, 5 in wide and 4 in thick. What is the surface area of the box?

- 7) A rectangular prism has a width of 8 cm, a height of 9 cm and a depth of 7 cm. What is the volume of the prism?

- 8) If the volume of a rectangular prism is 108 cm^3 , width is 9 cm length is 4 cm then find the height of a prism?

- 9) The volume of this cube is 512 units. What is its surface area?

- 10) If the surface area of a rectangular prism is 234 cm^2 , width is 2 cm length is 9 cm then find the height of the prism?

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Name: _____

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Solve the problems.

- 1) A desk is 6 feet wide and 5 feet long. It is 4 feet above the floor. What is the volume of space under the desk?

120 ft³

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

9 m

- 3) What is the volume of a box which is 5 cm wide, 7 cm tall and 10 cm long?

350 cm³

- 4) A cube has length of 7 m. What is the volume of the cube?

343 m³

- 5) If the surface area of a rectangular prism is 446 m², width is 9 m length is 7 m then find the height of the prism?

10 m

- 6) A box is 7 in long, 5 in wide and 4 in thick. What is the surface area of the box?

166 in²

- 7) A rectangular prism has a width of 8 cm, a height of 9 cm and a depth of 7 cm. What is the volume of the prism?

504 cm³

- 8) If the volume of a rectangular prism is 108 cm³, width is 9 cm length is 4 cm then find the height of a prism?

3 cm

- 9) The volume of this cube is 512 units. What is its surface area?

384 units

- 10) If the surface area of a rectangular prism is 234 cm², width is 2 cm length is 9 cm then find the height of the prism?

9 cm