

Volume or Surface Area

Name: _____

Date: _____

Solve the problems.

- 1) A desk is 2 feet wide and 4 feet long. It is 3 feet above the floor. What is the volume of space under the desk?

- 2) A book that is 3 inches wide, 4 inches long, and 4 inches tall. What is the volume of a tower that is built by 3 books?

- 3) A table is 2 m long, 2 m wide and 4 m tall. What is the area of the table?

- 4) A container is 5 m wide, 26 m long and 7 m tall. What is the volume of the container?

- 5) A binder is 7 inches wide, 13 inches long and 1.5 inch thick. What is the volume of documents the binder can hold?

- 6) A lunch box is 24 cm long, 15 cm wide and 5 cm thick. What is the volume of the lunch box?

- 7) A rectangular prism has a width of 6 cm, a height of 7 cm and a depth of 3 cm. What is the volume of the prism?

- 8) If the surface area of a rectangular prism is 292 cm^2 , width is 8 cm length is 7 cm then find the height of the prism?

- 9) A set of books is 9 inches long, 14 inches tall and 4 inches wide. What is the volume of the set of books?

- 10) If the volume of a rectangular prism is 96 cm^3 , width is 8 cm length is 2 cm then find the height of a prism?

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- 1) A desk is 2 feet wide and 4 feet long. It is 3 feet above the floor. What is the volume of space under the desk?

24 ft³

- 2) A book that is 3 inches wide, 4 inches long, and 4 inches tall. What is the volume of a tower that is built by 3 books?

144 in³

- 3) A table is 2 m long, 2 m wide and 4 m tall. What is the area of the table?

40 m²

- 4) A container is 5 m wide, 26 m long and 7 m tall. What is the volume of the container?

910 m³

- 5) A binder is 7 inches wide, 13 inches long and 1.5 inch thick. What is the volume of documents the binder can hold?

136.5 in³

- 6) A lunch box is 24 cm long, 15 cm wide and 5 cm thick. What is the volume of the lunch box?

1800 cm³

- 7) A rectangular prism has a width of 6 cm, a height of 7 cm and a depth of 3 cm. What is the volume of the prism?

126 cm³

- 8) If the surface area of a rectangular prism is 292 cm², width is 8 cm length is 7 cm then find the height of the prism?

6 cm

- 9) A set of books is 9 inches long, 14 inches tall and 4 inches wide. What is the volume of the set of books?

504 in³

- 10) If the volume of a rectangular prism is 96 cm³, width is 8 cm length is 2 cm then find the height of a prism?

6 cm