MATH WORKSHEET · GRADE 5 · WORD PROBLEMS

Volume Word Problems

Multiply length × width × height. Write the answer in cubic units.

Name: _____ **Date:** _____



1 A box is 5 cm long, 4 cm wide and 3 cm tall. What is its volume?

Answer: _____ **cubic centimeters**

2 A fish tank is 20 inches long, 10 inches wide and 12 inches tall. What is its volume?

Answer: _____ **cubic inches**

3 A cube has edges 6 feet long. What is its volume?

Answer: _____ **cubic feet**

4 A sandbox holds 48 cubic feet of sand. It is 6 feet long and 4 feet wide. How deep is the sand?

Answer: _____ **feet**

5 Two boxes are stacked. One is 3 by 2 by 2 feet and the other is 4 by 3 by 1 feet. What is their total volume?

Answer: _____ **cubic feet**

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ANSWER KEY · WORD PROBLEMS · FOR GROWN-UPS

Answer Key: Volume Word Problems

Multiply length × width × height. Write the answer in cubic units.



1 A box is 5 cm long, 4 cm wide and 3 cm tall. What is its volume?

Answer: 60 **cubic centimeters**

2 A fish tank is 20 inches long, 10 inches wide and 12 inches tall. What is its volume?

Answer: 2,400 **cubic inches**

3 A cube has edges 6 feet long. What is its volume?

Answer: 216 **cubic feet**

4 A sandbox holds 48 cubic feet of sand. It is 6 feet long and 4 feet wide. How deep is the sand?

Answer: 2 **feet**

5 Two boxes are stacked. One is 3 by 2 by 2 feet and the other is 4 by 3 by 1 feet. What is their total volume?

Answer: 24 **cubic feet**

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