

Volume of Rectangular Prisms Worksheet - Answer Key

5th Grade - volume of rectangular prisms | 15 minutes

Find the volume of each rectangular prism. Multiply length x width x height. Label your answer in cubic units.

Example: A box 4 by 3 by 2: $4 \times 3 \times 2 = 24$ cubic units.

1. A prism is 4 by 3 by 2. Find the volume.

Answer: $4 \times 3 \times 2 = 24$ cubic units

2. A prism is 5 by 2 by 3. Find the volume.

Answer: $5 \times 2 \times 3 = 30$ cubic units

3. A prism is 6 by 4 by 2. Find the volume.

Answer: $6 \times 4 \times 2 = 48$ cubic units

4. A cube has sides of 3. Find the volume.

Answer: $3 \times 3 \times 3 = 27$ cubic units

5. A prism is 5 by 5 by 2. Find the volume.

Answer: $5 \times 5 \times 2 = 50$ cubic units

6. A prism is 7 by 3 by 2. Find the volume.

Answer: $7 \times 3 \times 2 = 42$ cubic units

Challenge

7. A fish tank is 10 by 4 by 5 inches. What is its volume?

Answer: $10 \times 4 \times 5 = 200$ cubic inches

8. A prism has a volume of 24 cubic units and a base area of 12. What is its height?

Answer: $24 / 12 = 2$ units