

Volume of Rectangular Prisms

Name: _____

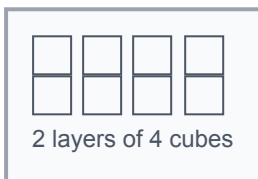
Date: _____

Remember: Volume = length $\times$ width $\times$ height
Volume is measured in cubic units (cm³, m³, etc.)

Section A: Count the Cubic Units

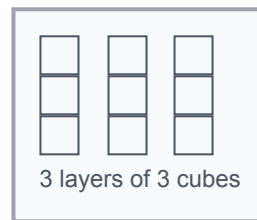
Each small cube represents 1 cubic centimetre (cm³). Count all the cubes to find the volume.

1.



Volume = _____ cm³

2.



Volume = _____ cm³

Section B: Calculate Using the Formula

Use the formula: Volume = length $\times$ width $\times$ height

3. Length = 5 cm, Width = 3 cm, Height = 2 cm

Volume = _____ $\times$ _____ $\times$ _____ = _____ cm³

4. Length = 6 m, Width = 4 m, Height = 3 m

Volume = _____ $\times$ _____ $\times$ _____ = _____ m³

5. Length = 10 cm, Width = 5 cm, Height = 4 cm

Volume = _____ $\times$ _____ $\times$ _____ = _____ cm³

6. Length = 8 m, Width = 8 m, Height = 5 m

Volume = _____ $\times$ _____ $\times$ _____ = _____ m³

Section C: Word Problems

7. A toy box is 60 cm long, 40 cm wide, and 30 cm high. What is the volume of the toy box?

Volume = _____ = _____
cm³

8. A swimming pool is 12 m long, 6 m wide, and 2 m deep. What is the volume of water it can hold?

Volume = _____ = _____ m³

9. A rectangular fish tank has a length of 50 cm, a width of 25 cm, and a height of 30 cm. Calculate its volume.

Volume = _____ = _____
cm³