

Name _____

Date _____

Volume Of Composite Figures

G5

Volume of composite figures combines the volumes of multiple 3D shapes. Understanding this helps students solve real-world problems, like finding space inside objects, by breaking them into simpler parts and calculating their total volume accurately.

Q1 Find the volume of a rectangular prism with length 5 cm, width 3 cm, and height 2 cm.

- A. 10 cm^3
C. 30 cm^3

- B. 18 cm^3
D. 20 cm^3

Q2 Calculate the total volume of two cubes with side lengths of 4 cm each.

- A. 144 cm^3
C. 96 cm^3

- B. 192 cm^3
D. 128 cm^3

Q3 Find the volume of a cylinder with radius 3 cm and height 7 cm. Use $\pi \approx 3.14$.

- A. 150 cm^3
C. 90 cm^3

- B. 120 cm^3
D. 60 cm^3

Q4 A rectangular prism with dimensions $8 \text{ cm} \times 4 \text{ cm} \times 3 \text{ cm}$ is combined with a cube with side length 3 cm. Calculate the total volume.

- A. 104 cm^3
C. 96 cm^3

- B. 108 cm^3
D. 123 cm^3

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Volume Of Composite Figures - Answer Key**Q1****C****Q2****D****Q3****A****Q4****D**