



Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

- ✓ Find the volume of a cube. ✓ Find the volume of a rectangular prism. ✓ Find the volume of a cylinder.
✓ Find the volume of a cone.

Section A • Concept Check • BEGINNER $4 \times 1 = 4$ _____

- 1 Volume of a cube with side 6:
☐ A. 216 ☐ B. 36 ☐ C. 72 ☐ D. 18
- 2 Volume of a rectangular prism with $l=8$, $w=5$, $h=4$:
☐ A. 160 ☐ B. 17 ☐ C. 80 ☐ D. 320
- 3 Volume of a cylinder with $r=4$, $h=10$ ($\pi \approx 3.14$):
☐ A. 502.4 ☐ B. 125.6 ☐ C. 251.2 ☐ D. 40
- 4 Volume of a cone with $r=3$, $h=6$ ($\pi \approx 3.14$):
☐ A. 56.52 ☐ B. 169.56 ☐ C. 18 ☐ D. 113.04

Section B • Problem Solving • INTERMEDIATE $2 + 3 \times 3 = 11$ _____

- 5 The volume of a cube is _____
- 6 The volume of a cylinder is _____
- 7 Find the volume of a cube with side 6.

- 8 Find the volume of a rectangular prism with $l=8$, $w=5$, $h=4$.

- 9 Find the volume of a cylinder with $r=4$, $h=10$ ($\pi \approx 3.14$).

Section C • Challenge • CHALLENGE 5 _____

- 10 Find the volume of a cone with $r=3$, $h=6$ ($\pi \approx 3.14$).

Reflection — the most useful thing I learned: _____

A ___/4 B ___/11 C ___/5 **Total** ___/20

Teacher's Signature _____

Parent's Signature _____

ANSWER KEY — FOLD OR CUT BEFORE HANDING OUT

1-A 2-A 3-A 4-A | 5 s^3 6 $\pi r^2 h$ 7 = 216 8 = 160 9 = 502.4 | 10 = 56.52