

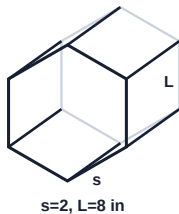
# Math Sheet

Name \_\_\_\_\_ Score \_\_\_\_\_ / 9 Teacher \_\_\_\_\_ Date \_\_\_\_\_

## Prism and cylinder volume

Find each volume using calculator pi for cylinders. Keep intermediate values unrounded and round only the final answer to the nearest hundredth. Diagrams are not to scale.

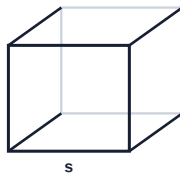
1. Regular hexagonal prism



$s=2$ ,  $L=8$  in

Volume: \_\_\_\_\_

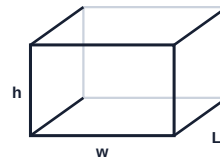
2. Cube



$s=13$  ft

Volume: \_\_\_\_\_

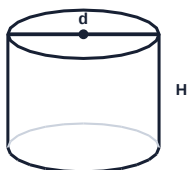
3. Rectangular prism



$w=6$ ,  $h=5$ ,  $L=4$  yd

Volume: \_\_\_\_\_

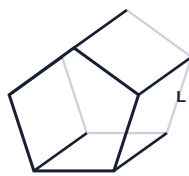
4. Cylinder



$d=13$ ,  $H=15$  mm

Volume: \_\_\_\_\_

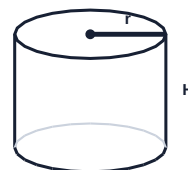
5. Regular pentagonal prism



$s=7$ ,  $L=13$  ft

Volume: \_\_\_\_\_

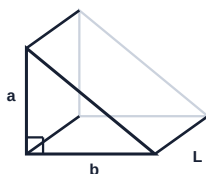
6. Cylinder



$r=15$ ,  $H=7$  cm

Volume: \_\_\_\_\_

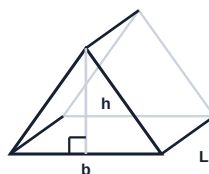
7. Right triangular prism



$a=7$ ,  $b=9$ ,  $L=15$  cm

Volume: \_\_\_\_\_

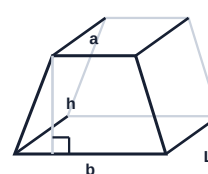
8. Triangular prism



$b=2$ ,  $h=10$ ,  $L=4$  in

Volume: \_\_\_\_\_

9. Trapezoidal prism



$a=3$ ,  $b=14$ ,  $h=10$ ,  $L=4$  yd

Volume: \_\_\_\_\_

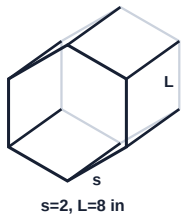
Math Sheet

Name \_\_\_\_\_ Score \_\_\_\_\_ / 9 Teacher \_\_\_\_\_ Date \_\_\_\_\_

Prism and cylinder volume - Answer key

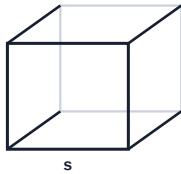
Find each volume using calculator pi for cylinders. Keep intermediate values unrounded and round only the final answer to the nearest hundredth. Diagrams are not to scale.

1. Regular hexagonal prism



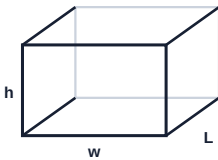
s=2, L=8 in

2. Cube



s=13 ft

3. Rectangular prism



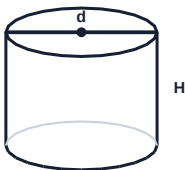
w=6, h=5, L=4 yd

Volume: 83.14 in<sup>3</sup>

Volume: 2197.00 ft<sup>3</sup>

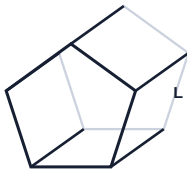
Volume: 120.00 yd<sup>3</sup>

4. Cylinder



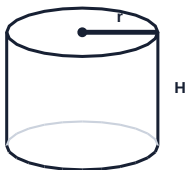
d=13, H=15 mm

5. Regular pentagonal prism



s=7, L=13 ft

6. Cylinder



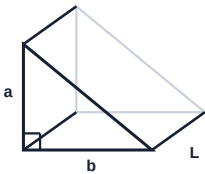
r=15, H=7 cm

Volume: 1990.98 mm<sup>3</sup>

Volume: 1095.94 ft<sup>3</sup>

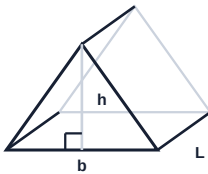
Volume: 4948.01 cm<sup>3</sup>

7. Right triangular prism



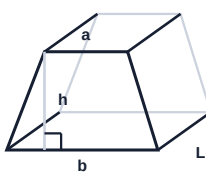
a=7, b=9, L=15 cm

8. Triangular prism



b=2, h=10, L=4 in

9. Trapezoidal prism



a=3, b=14, h=10, L=4 yd

Volume: 472.50 cm<sup>3</sup>

Volume: 40.00 in<sup>3</sup>

Volume: 340.00 yd<sup>3</sup>