

Name _____

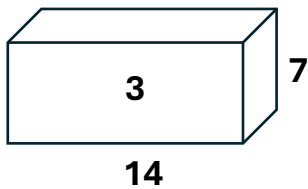
Volume of Cubes and Rectangular Prisms Answer Key

Volume measures how much **space** a 3D object takes up. For rectangular solids (boxes, cubes, prisms), we find volume by multiplying the three dimensions:

Volume = Length x Width x Height

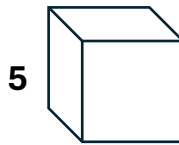
We can also write this as: $V = L \times W \times H$

1)



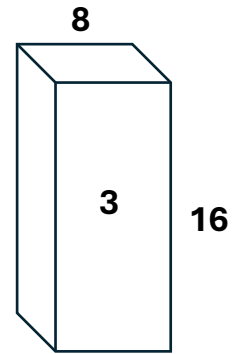
$$14 \times 3 \times 7 = 294$$

4)



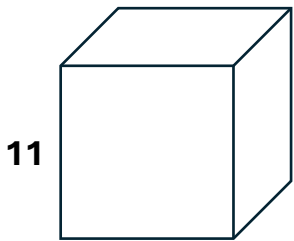
$$5 \times 5 \times 5 = 125$$

7)



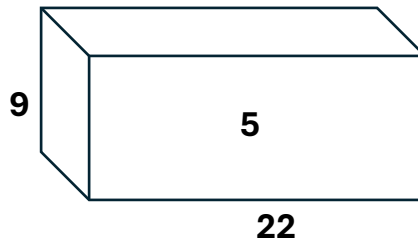
$$16 \times 3 \times 8 = 384$$

2)



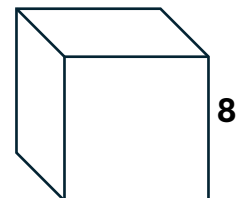
$$11 \times 11 \times 11 = 1331$$

5)



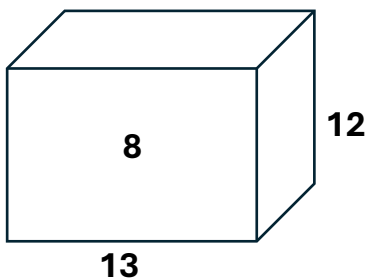
$$22 \times 5 \times 9 = 990$$

8)



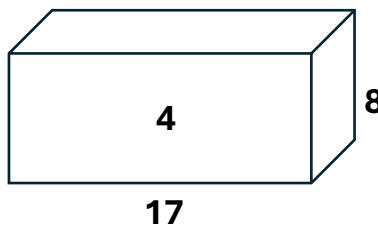
$$8 \times 8 \times 8 = 512$$

3)



$$13 \times 8 \times 12 = 1248$$

6)



$$17 \times 4 \times 8 = 544$$

9)



$$2 \times 2 \times 2 = 8$$