

Name _____ Date _____

3 DIMENSIONS - LENGTH x WIDTH x HEIGHT

Directions: The length, width and height of various rectangular prisms are given below. Solve using the equation what the volume would be.

Example: L = 5 cm W = 10 cm H = 2 cm

$$\text{Volume} = (L)(W)(H)$$

$$\text{Volume} = (5)(10)(2)$$

$$\text{Volume} = (50)(2)$$

$$\text{Volume} = 100 \text{ cm}^3$$

1) L = 25 cm W = 4 cm H = 4 2) L = 48 cm W = 20 cm H = 2.5 3) L = 15 cm W = 10 cm H = 5.5 cm

4) L = 12 in. W = 12 in. H = 4 5) L = 200 in. W = 20 in. H = 4.5 in. 6) L = 35 in. W = 9 in. H = 2.2 in.

7) L = 20 ft. W = 20 ft. H = 10 ft. 8) L = 250 ft. W = 30 ft. H = 4.4 ft. 9) L = 35 ft. W = 22 ft. H = 15.2 ft.

10) L = 28 in. W = 11.5 in. H = 20

Challenge: L = 29.4 in W = 2.3 in H = 4.6 in