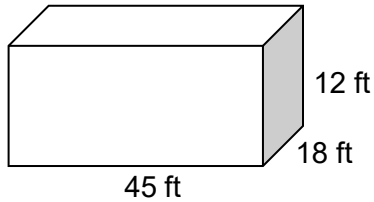


Math 10W – Unit 4 – Assessment Quiz #1

- 1) Calculate the volume of the rectangular prism below. Remember:
- $V = l \times w \times h$



$$V = 45 \times 18 \times 12$$

$$= 9720$$

- 2) What is the volume of the rectangular prism above in
- yd^3
- ?

$$9720 \div 27 = 360 \text{ yd}^3$$

Perform the following conversions.

3) $3 \text{ lb} = 3 \times 16 = 48 \text{ oz}$

4) $6.7 \text{ ton} = 6.7 \times 2000 = 13400 \text{ lb}$

5) $128 \text{ oz} = 128 \div 16 = 8 \text{ lb}$

6) $6.7 \text{ gal (US)} = 6.7 \times 3.785 = 25.4 \text{ L}$

7) $22 \text{ L} = 22 \div 3.785 = 5.8 \text{ qt (US)}$

8) $450 \text{ mL} = 450 \div 29.57 = 15.2 \text{ fl oz (US)}$

- 9) If I were to fill up my gas tank in Birmingham, England, how many UK gallons would my 60 L tank hold?

$$60 \text{ L} \times 0.264 = 15.84 \text{ US gal} \div \frac{6}{5} = 13.2 \text{ UK gal}$$

- 10) Sam caught two salmon weighing 3 lb 9 oz and 4 lb 8 oz. What is their total weight?

$$7 \text{ lb } 17 \text{ oz} = 8 \text{ lb } 1 \text{ oz}$$