

Name: _____

Block: _____

Date: _____

AWM 10

Ch. 3.4 – Volume

Assignment

1. A storage container measures 6 feet by 3 feet by 4 feet.

a) What is the volume in cubic feet?

b) What is the volume in cubic yards?

2. A recipe calls for $2\frac{3}{4}$ cups of milk. How much is this in mL?

3. What is the capacity of a 5-fl oz jar, in mL? (Hint: 1 fl oz = 30 mL.)

4. If your car's fuel consumption rate is 8.8 L/100 km, how many US gallons will you need for a trip of approximately 450 km?

5. In spring, a tree needs 10.5 fl oz of fertilizer. If fertilizer is sold in a 4.1-L bottles, how many bottles are needed to fertilize 15 trees?

6. The exterior of a concrete container will be 10 feet by 8 feet by 4 feet tall. The walls and the bottom are 6 inches thick. What will it cost to construct it if concrete is \$98.95/cubic yard?