

Section 3.2 Extra Practice

1. Match the best unit to measure each item.

a)

capacity of a travel-size shampoo bottle	ounce
capacity of a gas tank	cup
volume of a teapot	quart
volume of a family-size orange juice container	gallon

b)

capacity of a water dispenser	cm^3
volume of a pot of water	mL
volume of a bottle of perfume	L

2. Covert each measurement.

a) 1 gallon = quarts

b) 4 gallons = quarts

c) 12 gallons = quarts

d) 1 cup = fl oz

e) 4 cups = fl oz

f) $\frac{1}{4}$ cup = fl oz

g) 1 fl oz = cups

h) 4 fl oz = cups

i) 20 fl oz = cups

j) 1 qt = cups

k) 4 qt = cups

l) $\frac{1}{4}$ qt = cups

m) 1 qt = fl oz

n) 4 qt = fl oz

o) 1 gallon = fl oz

3. Mr. Taylor purchases orange juice in 4-L containers for the school breakfast program. The school uses 200-mL glasses. How many glasses of orange juice can one container fill?

4. The capacity of a coffee pot is 9 cups.

a) If the capacity of a small cup is 8 oz, how many small coffees can be poured from one pot of coffee? How many ounces remain in the pot?

b) If the capacity of a medium cup is 10 oz, how many medium coffees can be poured from one pot of coffee? How many ounces remain in the pot?

c) If the capacity of a large cup is 14 oz, how many large coffees can be poured from one pot of coffee? How many ounces remain in the pot?

d) If the capacity of an extra-large cup is 20 oz, how many extra-large coffees can be poured from one pot of coffee? How many ounces remain in the pot?



Name: _____

Date: _____

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(continued)

- 5.** Windshield cleaner fluid is often sold in containers that have a capacity of 3.78 L.



Suppose you use half the contents of a container to fill the windshield cleaner tank in your car.

- a)** What is the capacity of the tank?
b) What is the volume of the fluid remaining in the container?

- 6.** Estimate the volume of liquid remaining in each container.

a)



b)



- 7.** Estimate the volume of liquid removed from each container in #6.

