

Conversions WS

Converter: \_\_\_\_\_

#1-3, Find the *unit rate*:

- 1. A long distance runner ran 9000 meters in 30 minutes.
- 2. A hummingbird flaps its wings 770 times in 14 seconds.
- 3. Miss Gill drives 330 miles on 13 gallons of gas.

#4-6, Using your answers from #1-3, find the specified rate: (A little converting required)

- 4. #2 in flaps/minute
- 5. #3 in yds/gal
- 6. #1 in km/sec

7. A 64 oz. carton of OJ costs \$3.29 at Safeway. A 12 oz. bottle of OJ I picked out of the cooler by the register costs \$1.50. Find the unit rate in *cost per ounce* for each.

- a. 64 oz. = \_\_\_\_\_                      12 oz = \_\_\_\_\_
- b. Which is the better deal?
- c. Why does this make sense for store?

#8-11, Use the table at right to complete the conversions.

- 8. 10 liters = \_\_\_\_\_ gallons.
- 9. 46 teaspoons = \_\_\_\_\_ pints
- 10. \_\_\_\_\_ ounces = 9.45 liters.

Liquid Volume Measures	
3 tsp	1 TB
16 TB	1/2 pint
1 pint	16 ounces
2 pint	1 quart
4 quart	1 gallon
1 gallon	3.8 liters

- 11. A soft-serve ice cream machine makes 1200 gallons per hour. Convert this to cups per minute (1 gal. = 16 cups)
- 12. 13 weeks = \_\_\_\_\_ hours
- 13. 50 miles per hour = \_\_\_\_\_ feet per second