

Worksheet 10A

NAME _____

EQUIVALENT QUANTITIES, UNIT FRACTIONS,
AND FACTOR-LABELING

PERIOD _____

PART 1

COMPLETE THE FOLLOWING EQUIVALENT QUANTITIES AND THEN WRITE EACH ONE AS TWO DIFFERENT UNIT FRACTIONS.

1. _____ feet = 1 yard
2. _____ meters = 1 kilometers
3. _____ ounces = 1 pound
4. 1 gallon = _____ quarts
5. 2.54 cm = _____ inches
6. _____ feet = 1 mile
7. _____ milligrams = 1 gram
8. 2.2 pounds = _____ kilograms
9. 454 grams = _____ pounds
10. _____ pints = 1 quart
11. 1000 milliliters = _____ liters
12. 60 seconds = _____ minutes
13. 1 milliliter = _____ cubic centimeters

PART 2

USING ONLY UNIT FRACTIONS, CONVERT THE FOLLOWING QUANTITIES. SHOW ALL LABELING AND CANCELLATION. NO CREDIT WILL BE GIVEN WITHOUT THE LABELS AND CANCELLATION SHOWN. BE SURE TO LABEL THE ANSWERS.

14. Convert 4 gallons to quarts.
15. Convert 5045 grams to pounds.
16. Convert 25 quarts to pints.
17. Convert 4.8 minutes to seconds.
18. Convert 3.9 kilograms to grams.
19. Convert 452 milliliters to liters.
20. Convert .0054 kilometers to meters.
21. Convert 2.6 liters to milliliters.
22. Convert 4.4 kilograms to pounds.
23. Convert 2000 seconds to hours.
24. Convert 600 gal/hour to gal/minute
25. Convert 55 mi/hour to feet/second
26. Convert \$4.50 /hour to dollars/minute
27. Convert 12 000 millimeters/hour to kilometers/second