

Set D10 ★ Independent Worksheet 1



INDEPENDENT WORKSHEET

Equivalent Tables

1 Complete the table below and record at least two mathematical observations about the rule and relationship between the measurement conversions.

Meters (m)	Centimeters (cm)
1 m	100 cm
2 m	
	300 cm
4 m	
	500 cm
	600 cm
7 m	

I noticed:

2 A very large bag of frozen vegetables weighs 64 ounces (oz.). How many pounds (lb.) is this? Create a table to show your thinking

Ounces (oz.)	Pounds (lb.)
16 oz.	1 lb.

Show your thinking another way

NAME _____



Equivalent Tables (cont.)

3 Additional Practice

$6 \text{ ft } 7 \text{ in} = \underline{\hspace{2cm}} \text{ in}$	$30 \text{ ft} = \underline{\hspace{1cm}} \text{ yd } \underline{\hspace{1cm}} \text{ ft}$
$1 \text{ yd } 2 \text{ ft} = \underline{\hspace{2cm}} \text{ ft}$	$32 \text{ in} = \underline{\hspace{2cm}} \text{ ft } \underline{\hspace{1cm}} \text{ in}$
$2 \text{ ft } 4 \text{ in} = \underline{\hspace{2cm}} \text{ in}$	$8 \text{ ft } 6 \text{ in} = \underline{\hspace{2cm}} \text{ inches}$

NAME _____



Set D10 ★ Independent Worksheet 2



INDEPENDENT WORKSHEET

Conversion Tables

1 Use $>$, $<$, or $=$ to compare.

12 inches _____ 1 foot	36 inches _____ 2 feet
48 inches _____ 6 feet	60 inches _____ 3 feet
4 feet _____ 36 inches	5 feet _____ 72 inches

2 The milliliter (ml) is a metric unit of volume that is equal to $\frac{1}{1,000}$ of a liter.
1,000 ml = 1 liter. Use this information to solve the problems below.

a To make enough chocolate pudding for your family, you need 300 milliliters (ml) of milk. How many liters (l) will this be? Show your thinking.

_____ liters of milk

b How many liters of milk would you need if you tripled the recipe for chocolate pudding for a party?

_____ liters of milk

NAME _____



Conversion Tables (cont.)

3 Kilo is a prefix for thousand. 1 kilometer = 1,000 meters. Use this information to help solve the problem below.

Dan is on a road trip. He sees a sign that says 212 kilometers (km) to the nearest gas station. How many meters (m) away is the gas station? Show your thinking.

The gas station is _____ meters away.

4 Remember the prefix kilo? 1 kilogram = 1,000 grams. Use this information to help solve the following problem.

Mom weighed the bag of carrots and said it weighed 2.7 kilograms (kg). How many grams (g) is this? Show your thinking.

The bag of carrots weighed _____ grams