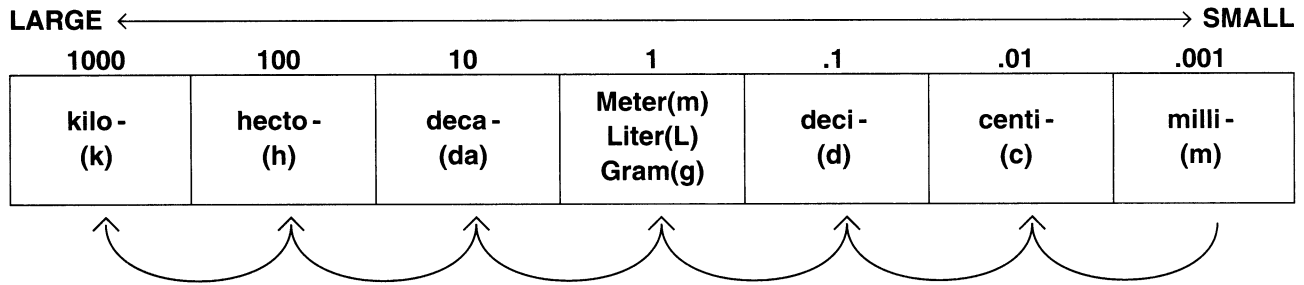


Name _____ Date _____

Metric Units of Weight and Mass

To change from a small metric unit to a larger metric unit, count the number of steps from one unit to the other. Move the decimal point to the left one place for each step.

To compare metric measures, change to like units. Then compare.



41 cg = _____ dag

Compare 900 g to 9 kg.

Count 3 steps from centigram to decagram.
Move the decimal point 3 places to the left.

041
41 cg = 0.041 dag

Change 900 g to kg.

900 g = 0.9 kg
0.9 kg < 9 kg, so 900 g < 9 kg

Change each measurement.

1. 10,000 L = 10 kL
10000

3,000 cm = _____ m

1,115 mg = _____ cg

2. 300 cL = _____ daL

1,500 m = _____ km

40 mg = _____ g

3. 52,000 cL = _____ L

360 mm = _____ cm

6,000 g = _____ kg

Change the small unit to the larger unit. Then compare. Write >, <, or =.

4. 4,500 mL 45 L
4500 mL = 4.5 L

1.5 km 150 cm

10,000 mg 1 dag

5. 5 L 50 mL

18 dm 1.8 m

0.7 kg 7 g

Solve.

6. A bag of potatoes weighs 5,000 grams.
How many kilograms is 5,000 grams?

7. Which bottle contains more water, a
1.5-liter bottle or a 150-milliliter bottle
of water?

Answer _____

Answer _____

Metric Units of Weight and Mass

Answer Key

1. 10 kL 30 m 111.5 cg
2. .3 daL 1.5 km .04 g
3. 520 L 36 cm 6 kg
4. 4,500 mL < 45 L
1.5 km > 150 cm
10,000 mg = 1 dag
5. 5 L > 50 mL
18 dm = 1.8 m
0.7 kg > 7 g
6. 5 kilograms 7. 1.5-liter bottle

