

Converting Units

7th Grade Math

Name: _____

Customary Units

1 ft = 12 in
1 yd = 3 ft
1 mi = 5,280 ft

1 cup = 8 fl oz
1 pt = 2 cup
1 qt = 2 pt
1 gal = 4 qt

1 lb = 16 oz
1 ton = 2,000 lb

Metric Units

1 m = 100 cm
1 km = 1,000 m

1 liter = 1,000 mL

1 kg = 1,000 grams

Customary/Metric

1 in = 2.54 cm
1 mi = 1.6093 km

1 gal = 3.79 liters

1 lb = 0.45 kg

Directions: Use the information above to convert each of the following measurements. Don't forget to use correct units when you write your answer.

1. 48 in = how many ft?
2. 12.3 km = how many m?
3. 30 cm = how many in?

4. 47 oz = how many cups?
5. 25 in = how many cm?
6. 5.3 mi = how many ft?

7. 5,261 mL = how many L?
8. 7,834 ft = how many mi?
9. 80 km = how many mi?

10. 90 lb = how many kg?
11. 46 oz = how many lb?
12. 10 L = how many gal?

Tough Conversions!

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1. 7 qt = how many cups?

2. 32,000 in = how many mi?

3. 4 days = how many sec?

4. 4 tons = how many kg?

5. 1.2 mi = how many cm?

6. 17 gal = how many oz?

7. 3.2 km = how many cm?

8. 10 liters = how many qts?

9. 32 in = how many m?

10. 420 oz = how many pts?

See if you can do this one

350 lbs of H₂O is how many gal?