

Converting Units of Measure

Time:

_____ seconds = 1 minute _____ minutes = 1 hour _____ hours = 1 day

Length:

_____ inches = 1 foot _____ feet = 1 yard _____ feet = 1 mile
_____ mm = 1 cm _____ cm = 1 meter _____ meters = 1 km

Weight:

_____ grams = 1 kg _____ oz = 1 lb _____ lbs = 1 ton

Set up a unit analysis to convert

1. 8 hrs = _____ min

2. 3 yards = _____ ft

3. 120 cm = _____ m

4. 2000 cm = _____ km

5. 96 oz = _____ lb

Challenge:

6. 54 feet/second = _____ miles/hour

Some to Practice:

7. Pistachios cost \$0.29 per ounce. If Jaime purchased 2 pounds of pistachios, how much did she pay?

8. Steve ran a distance of 150 meters in 1.5 minutes. What is his speed in meters per hour?

9. Nicole's aerobics class exercises to fast-paced music. If the rate of the music is 120 beats per minute, how many beats would there be in a class that is 0.75 hour long?

Set up a unit analysis to convert

1. 320 mm = _____ cm

2. 1 day = _____ min

3. 2 yards = _____ in

4. 4 tons = _____ lbs

5. 2.2 lbs = _____ oz

Challenge:

6. 80 km/hour = _____ meters/second

7. If rain is falling at the rate of 4 inches per hour, how many inches of rain will fall in 45 minutes?

8. Suppose you walk 3200 meters in 35 minutes. Find your speed in meters per hour.