Pre-Algebra
Converting Between
Systems of Measurement

Goal: to convert between the metric and US customary units

Some of our common conversions:

1in. = 2.54 cm 1ft = 0.3048 m 1 mi = 1.609 km

1 fl oz = 29.573 mL 1 qt = 0.946 L

1 gal = 3.785 L 1 oz = 28.35 g 1 lb = 0.454 kg
(pg. 69)

Convert:

28 kg = __lb

28 kg = __lb

28 kg = __lb

28 kg = __lb

454 kg

Convert:

8 mi into km

8 mi into km

8 mi into km = 2.88 Km16 kg into lbs = 2.2046 lbs = 35.3 lbs

You can use conversions to compare measurements.

Which is larger:

70 cm or 29 in

70 cm 39 in - 27.3;n

Sometimes you have to use multiple conversion factors. Igai ~ 3.785 L

Scientists have observed manatees weighing as mush as 454 kilograms. What is this weight in lbs?

Hwk: pg 70

#2 - 14 evens, 20,

24 - 32 evens