

Thursday, September 25

Objective: I can convert units of measure

Warm up

1. Name three units of length

cm inches ft. yard miles km m

2. Name two units of weight/mass

pounds ounces tons tonne mg  
kg g

3. What are two units we use to measure liquid  
(capacity)?

gallons ounces pint cup  
ml liters quart Tbsp tsp

These are the important units for conversion:

1 inch = 2.54 cm

1 mile = 1.62 km

1 lbs = 0.454 kg

1 ton = 2000 lbs

If Joi is ~~62~~<sup>64</sup> inches tall, how tall would she be in centimeters?

$$\textcircled{1} \quad \frac{64 \cancel{\text{inches}}}{1 \cancel{\text{inch}}} \times \frac{2.54 \text{ cm}}{1} = 162.56 \text{ cm}$$
$$\frac{7 \text{ km}}{1.62 \text{ km}} \times \frac{1 \text{ mile}}{1.62 \text{ km}} = \text{miles}$$