

Name _____

Date _____

1. Solve. The first one is done for you.

<p>a. Convert days to weeks.</p> $42 \text{ days} = 42 \times (1 \text{ day})$ $= 42 \times \left(\frac{1}{7} \text{ week}\right)$ $= \frac{42}{7} \text{ week}$ $= 6 \text{ weeks}$	<p>b. Convert quarts to gallons.</p> $36 \text{ quarts} = \underline{\hspace{2cm}} \times (1 \text{ quart})$ $= \underline{\hspace{2cm}} \times \left(\frac{1}{4} \text{ gallon}\right)$ $= \underline{\hspace{2cm}} \text{ gallons}$ $= \underline{\hspace{2cm}} \text{ gallons}$
<p>c. Convert centimeters to meters.</p> $760 \text{ cm} = \underline{\hspace{2cm}} \times (\underline{\hspace{2cm}} \text{ cm})$ $= \underline{\hspace{2cm}} \times (\underline{\hspace{2cm}} \text{ m})$ $= \underline{\hspace{2cm}} \text{ m}$	<p>d. Convert meters to kilometers.</p> $2,485 \text{ m} = \underline{\hspace{2cm}} \times (\underline{\hspace{2cm}} \text{ m})$ $= \underline{\hspace{2cm}} \times (0.001 \text{ km})$ $= \underline{\hspace{2cm}} \text{ km}$
<p>e. Convert grams to kilograms.</p> $3,090 \text{ g} =$	<p>f. Convert milliliters to liters.</p> $205 \text{ mL} =$

2. After solving, write a statement to express each conversion. The first one is done for you.

<p>a. The screen measures 36 inches. Convert 36 inches to feet.</p> $\begin{aligned} 36 \text{ inches} &= 36 \times (1 \text{ inch}) \\ &= 36 \times \left(\frac{1}{12} \text{ feet}\right) \\ &= \frac{36}{12} \text{ feet} \\ &= 3 \text{ feet} \end{aligned}$ <p>The screen measures 36 inches or 3 feet.</p>	<p>b. A jug of juice holds 8 cups. Convert 8 cups to pints.</p>
<p>c. The length of the flower garden is 529 centimeters. What is its length in meters?</p>	<p>d. The capacity of a container is 2,060 milliliters. Convert this to liters.</p>
<p>e. A hippopotamus weighs 1,560,000 grams. Convert the hippopotamus' weight to kilograms.</p>	<p>f. The distance was 372,060 meters. Convert the distance to kilometers.</p>