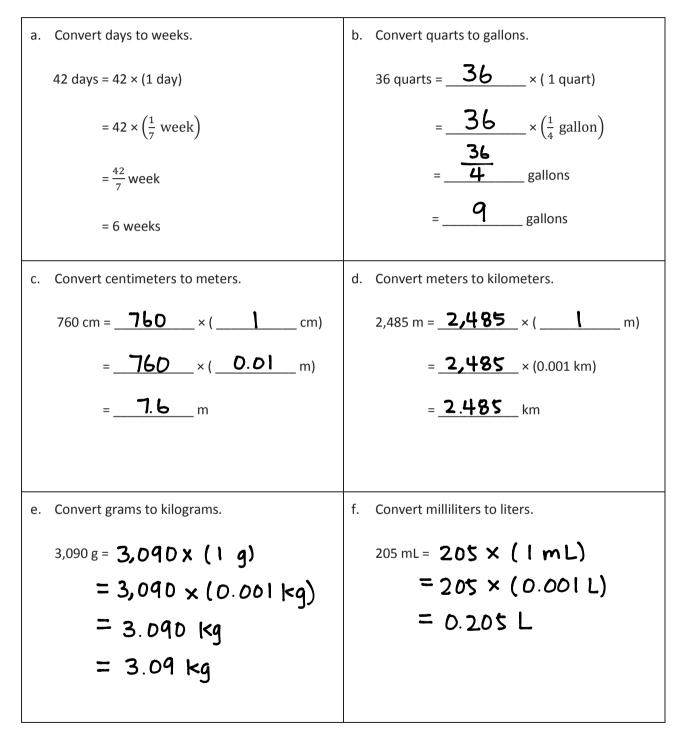
Name _____

Date _____

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





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

a.	The screen measures 36 inches. Convert 36 inches to feet.	b. A jug of juice holds 8 cups. Convert 8 cups to pints.
	36 inches = 36 × (1 inch)	$\begin{aligned} 8c &= 8 \times (1 c) \\ &= 8 \times (\frac{1}{2} p) \end{aligned}$
	$= 36 \times \left(\frac{12}{12} \text{ feet}\right)$	$=\frac{8}{2}p$
	$=\frac{36}{12}$ feet	= 4 p
	= 3 feet	One automotion 1/2 pint as 8 auto in the
	The screen measures 36 inches or 3 feet.	One cup makes 1/2 pint, so 8 cups is the same as 4 pints.
с.	The length of the flower garden is 529 centimeters. What is its length in meters?	d. The capacity of a container is 2,060 milliliters. Convert this to liters.
	$529 \text{ cm} = 529 \times (1 \text{ cm})$	2,060 mL = 2,060 x (1 mL)
	$= 529 \times (0.01 \text{ m})$	= 2,060 × (0.001 L)
	= 5.29 m	= 2 06 L
One centimeter makes 1/100 = 0.01 meter,		One milliliter makes 1/1,000 = 0.001 liter, so
so 529 centimeters is the same as 5.29 meters.		2,060 milliliters is the same as 2.06 liters.
e.	Convert the hippopotamus' weight to	f. The distance was 372,060 meters. Convert the distance to kilometers.
kilograms.		372,060 m = 372,060 × (1 m)
$1,560,000 g = 1,560,000 \times (1g)$		$= 372,060 \times (0.001 \text{ km})$
	$= 1,560,000 \times (0.001 \text{ kg})$	= 372.06 km
	= 1,560 kg	One meter makes 1/1,000 = 0.001
	ne gram makes 1/1,000 = 0.001 kilogram,	kilometer, so 372,060 meters is the same
	1,560,000 grams is the same as 1,560 ograms.	as 372.06 kilometers.

