

QUICK TIP!

Hey Kids! Time for a super fun math lesson, courtesy of Math Madness!

CONVERTING UNITS

You can use what you know about multiplying Fractions to convert between units.

- Use a fraction that is equal to one that defines the relationship between two units.
- Then multiply the value you are converting by that fraction.
- Note that the fraction needs to be written such that the units will cancel out.

$$1 \text{ km} = .62 \text{ miles}$$

$$31 \text{ miles} \times \frac{1 \text{ km}}{.62 \text{ miles}} = \frac{31 \text{ km}}{.62} = 50 \text{ km}$$

$$50 \text{ km} \times \frac{.62 \text{ miles}}{1 \text{ km}} = 50 \times .62 \text{ miles} = 31 \text{ miles}$$

**TRY IT!**

Use the provided conversion values to change the units.

$$1 \text{ minute} = 60 \text{ seconds}$$

$$150 \text{ minutes} = \underline{\hspace{2cm}} \text{ seconds}$$

$$1 \text{ kilogram} = 2.2 \text{ pounds}$$

$$8.5 \text{ pounds} = \underline{\hspace{2cm}} \text{ kilograms}$$

$$1 \text{ mile} = 5280 \text{ feet}$$

$$2.6 \text{ miles} = \underline{\hspace{2cm}} \text{ feet}$$

$$1 \text{ meter} = 3.28 \text{ feet}$$

$$44 \text{ meters} = \underline{\hspace{2cm}} \text{ feet}$$

$$1 \text{ kilometer} = 1000 \text{ meters}$$

$$675 \text{ meters} = \underline{\hspace{2cm}} \text{ kilometers}$$

$$1 \text{ foot} = 12 \text{ inches}$$

$$546 \text{ inches} = \underline{\hspace{2cm}} \text{ feet}$$

$$1 \text{ pound} = 454 \text{ grams}$$

$$12 \text{ pounds} = \underline{\hspace{2cm}} \text{ grams}$$

$$1 \text{ pound} = 16 \text{ ounces}$$

$$88 \text{ ounces} = \underline{\hspace{2cm}} \text{ pounds}$$

$$1 \text{ kilogram} = 1000 \text{ grams}$$

$$2000 \text{ grams} = \underline{\hspace{2cm}} \text{ kilograms}$$