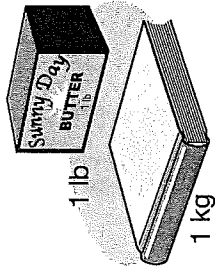


## Practice

**Note**  
Use US units in all of these questions.

- What can you multiply by to change one unit to the other?
  - tons to tonnes \_\_\_\_\_
  - pounds to kilograms \_\_\_\_\_
  - grams to ounces \_\_\_\_\_
  - kilograms to pounds \_\_\_\_\_
- Calculate each mass to the nearest tenth of the metric unit.
  - an empty tractor trailer, 30 000 lb \_\_\_\_\_ t
  - a baseball bat, 24 oz \_\_\_\_\_ g
  - a keg of nails, 99 lb \_\_\_\_\_ kg
  - a large polar bear,  $\frac{3}{4}$  T \_\_\_\_\_ t
  - the mass that a tool cabinet can hold, 600 lb \_\_\_\_\_ kg



- Write the correct word below: more or fewer.
  - When you express kilograms as pounds, you will get \_\_\_\_\_ pounds because a pound is less than a kilogram.
  - When you express US tons as metric tonnes, you will get \_\_\_\_\_ tonnes because a metric tonne is more than a US ton.

- Dani's tractor is 2200 kg. Express the mass in pounds and in tons.

- $1 \text{ kg} \doteq$  \_\_\_\_\_ lb, so  $2200 \text{ kg} \times$  \_\_\_\_\_ lb/kg  $\doteq$  \_\_\_\_\_ lb
- $1 \text{ kg} =$  \_\_\_\_\_ t, so  $2200 \text{ kg} \times$  \_\_\_\_\_ t/kg  $=$  \_\_\_\_\_ t  
 $1 \text{ t} \doteq$  \_\_\_\_\_ T, so \_\_\_\_\_ t  $\times$  1.10 T/t  $\doteq$  \_\_\_\_\_ T

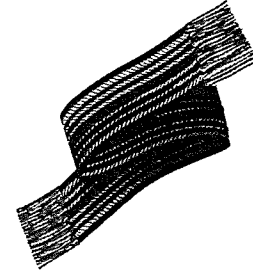
- Calculate each mass to the nearest tenth of the imperial unit.

- a loaf of bread, 675 g \_\_\_\_\_ oz
- a sea lion pup, 21 kg \_\_\_\_\_ lb
- $1 \text{ m}^3$  of cement, 1.4 t \_\_\_\_\_ T
- a box of salt, 1 kg \_\_\_\_\_ lb, or \_\_\_\_\_ oz
- 3 blueberries, 1600 mg \_\_\_\_\_ oz

**Hint**

1 lb = 16 oz.

- Pascale is taking a course to learn how to operate heavy equipment such as a forestry carrier. The mass of a forestry carrier is 27.9 t. What is its mass in tons?



ceinture fléchée

- Yvonne bought wool for two of the colours needed to weave a ceinture fléchée. She bought 200 g of yellow wool from a store in Brandon, Manitoba, and 8 oz of blue wool during her trip to the United States. How many more grams of blue wool did Yvonne buy?