

4.4 Making Conversions

Name: key

You have converted measures from one units to another, within the SI or imperial system, or between them.

Here, you will convert from a unit of volume to a unit of

weight. For example, grain is often measured in
bushels, a volume measure, but its weight may be needed to judge whether

it is safe to load for a truck.

$$1 \text{ bushel} = 2220 \text{ in}^3 \\ \approx 8 \text{ gallons}$$

Ex 1. How many bushels (bu) of flax seed are there in 2.4 tonnes, if the conversion factor is 39.368 bushels/tonne?

$$39.368 \text{ bushels} = 1 \text{ tonne}$$

$$2.4 \text{ tonnes} \times \frac{39.368 \text{ bushels}}{1 \text{ tonne}} = 94.5 \text{ bushels}$$

There are approximately 94.5 bushels of flax seed.

Try it!

1. How many tonnes of rye are there in 900 bushels if there are 39.368 bushels/tonne?