EXAMPLE #3:

A crane can lift a maximum of 5 t. Sandstone weighs about 150 lb per cubic foot, and a container contains 70 cubic feet of sandstone. Can the crane be used to load the container onto a train?

$$\frac{150 \text{ lbs}}{ft^3} = 10500 \text{ lbs}$$
 $\frac{1}{3} = 10500 \text{ lbs} \times \frac{1}{3} \times$

EXAMPLE #4:

Josephine is sending a gift of a bottle of maple syrup that weighs 3 lb, and 3 packages of smoked salmon that each weigh 100 g. If the package's total weight is less than 2 kg, she can ship it at a cheaper rate. Will she be able to do so?

Homework:

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Note: #4... 1 L of water = 1 kg