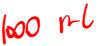


- 4. Krystina is stacking flats of 355 mL bottles of 24 bottles in a flat, how much will 12 flats weigh? Ignore the weight of the plastic bottles and the cardboard flat.
 - a) in kilograms?

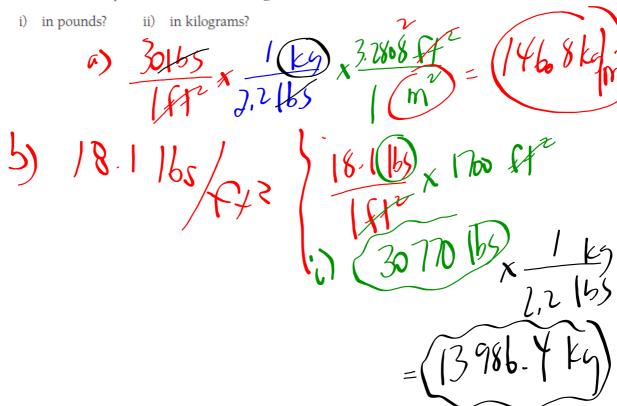
b) in pounds?



Hong is a building contractor. The building code in his area requires that roofs be built to withstand 30 pounds of weight per square foot of horizontal area.



- a) How many kilograms per square metre is this?
- b) After a snowfall, a square foot of flat roof covered with snow has a weight of 18.1 pounds pressing on it. If the flat area of the roof of a house is 1700 square feet, what is the weight of the snow on the roof:



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EXAMPLE #2

Alphonse is making chicken kebabs for 14 people. His recipe suggests about 7 oz of chicken per person. At the grocery store, the weight of the chicken is labelled in kilograms. How much chicken does Alphonse need to buy?

Remember: 1 kg = 2.2 lbs Jotal = 14x7 1 oz = 28.4 g= 98 32 × 2649 × 1

3

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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?

TOTAL = 150 lbs x 70 ft3 Jes = 10500 lbs x 1 kg x 1 kg = 4.772

4.8 t so yes

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