

Answer on Question #51353 – Math – Algebra

On a spending spree in Malaysia, you buy an ox with a weight of 28.5 piculs in the local unit of weights: 1 picul = 100 gins, 1 gin = 16 tahils, 1 tahlil = 10 chees, and 1 chee = 10 hoons. The weight of 1 hoon corresponds to a mass of 0.3779 g. When you arrange to ship the ox home to your astonished family, how much mass must you declare on the shipping manifest?

Solution

According to the task, we need to find mass in grams. To do this, we perform the next steps:

$$28.5 * 100 = 2850 \text{ gins}$$

$$2850 * 16 = 45\,600 \text{ tahils}$$

$$45\,600 * 10 = 456\,000 \text{ chees}$$

$$456\,000 * 10 = 4\,560\,000 \text{ hoons}$$

$$4\,560\,000 * 0.3779 = 1\,723\,224 \text{ grams}$$

So we must declare 1 723 224 grams or 1723,244 kilograms