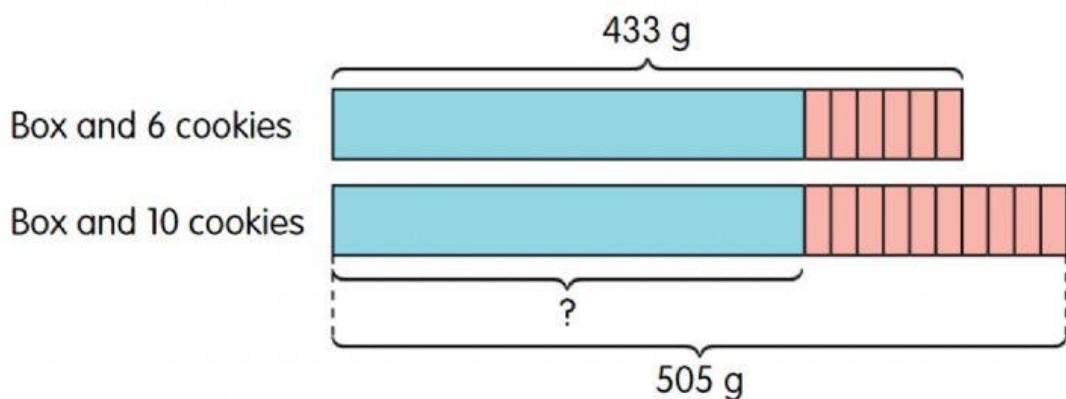


The mass of a box and 6 cookies is 433 g. The mass of the same box and 10 cookies is 505 g. Each cookie has the same mass. What is the mass of the box?



$$\text{[green box]} \text{ [green circle]} \text{ [green box]} = \text{[green box]} \text{ g}$$

The mass of 4 cookies is g.

$$\text{[green box]} \text{ units} = \text{[green box]} \text{ g}$$

$$\begin{aligned} \text{[green box]} \text{ unit} &= \text{[green box]} \text{ [green circle]} \text{ [green box]} \\ &= \text{[green box]} \text{ g} \end{aligned}$$

The mass of each cookie is g.

$$\text{[green box]} \text{ [green circle]} \text{ [green box]} = \text{[green box]} \text{ g}$$

The mass of 10 cookies is g.

$$\text{[green box]} \text{ [green circle]} \text{ [green box]} = \text{[green box]} \text{ g}$$

The mass of the box is g.