

How many grams of salt are needed to make 637 g of saltwater that is 32.0% salt by mass?

Solution:

Assume that 637 g is 100%, so

X g - 32.0%.

From this it follows that $x = \frac{637 \cdot 32}{100} = 203.84 \text{ g}$

Answer: The mass of salt is 203.84 g.