Answer on question 38063 – Math – Abstract Algebra

Murad brought equal numbers of 20-cents and 30-cents stamps. If the total cost of the stamps was $ 10. What was the total number of stamps bought?

Let x is the number of 20-cents stamps. Then the number of 30-cents stamps is x too. Note that $ 10=1000 cents. Therefore, we obtain the following equation

$$20x + 30x = 1000$$

$$50x = 1000$$

$$x = 20$$

Answer: 40 stamps.