

Conditions

your grandma gives you 12 stamps for your birthday, and signs you up for the stamp of the month club, that sends you 5 stamps per month.

how long would it take you to get a total of 2 stamps?

How long could it take to get a total of 47 stamps?

Solution

2 stamps you already have, as 12 was given for you by your grandma.

If you can get 5 stamps per month, then

$$47 - 12 - 5x = 0$$

This equation can help us to find, how long could it take to get a total of 47 stamps. Here x – is the amount of months, which are necessary to pass while you collect your stamps.

$$x = \frac{47 - 12}{5} = \frac{35}{5} = 7$$

Answer: after 7 months