INVERSE PROPORTIONALITY PROBLEMS

Solve the following problems by the rule of three method:

a) A farmer has enough grain to feed 50 cows for 10 days. How many days will the grain last if he has 40 cows?



cows -

$$\cdot = \cdot \rightarrow x = days$$

days

b) 4 builders need 18 days to repair my roof. If I want to finish the roof in 12 days, how many builders do I need?

$$\cdot = \cdot \rightarrow x = days$$

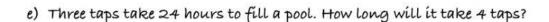
c) Three friends pay €7.50 each to make a present. If two more friends want to participate to buy the present, how much should each friends pay?



$$=$$
 \cdot \rightarrow $x =$ \bullet

d) A car travels at 72 km/h and takes 3 hours to go to Hellin from Almeria. How long will it take another car to travel the same route if it goes at 90 km/h?

km/h hours
km/h hours



taps \longrightarrow hours hours \cdot = \cdot \rightarrow x= hours

hours