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 ⟶ days

cows ⟶ days

· = · → x = 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?

builders ⟶ days

builders ⟶ days

· = · → 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?

friends ⟶ €

friends ⟶ €

· = · → x = €

d) A car travels at 72 km/h and takes 3 hours to go to Hellín from Almería. 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

· = · → x = hours

e) Three taps take 24 hours to fill a pool. How long will it take 4 taps?

taps ⟶ hours

taps ⟶ hours

· = · → x = hours