▮ directly proportional

problem 1 [answer](#)

8 workmen need 15 days to build a new house. How many workmen are needed to build the house in 10 days?

problem 2 [answer](#)

6 caterpillars need 20 days to cut a canal. How many caterpillars are needed to cut the canal within 15 days?

problem 3 [answer](#)

Tom fills orange juice into forty-five 0,5-l bottles. If he uses 0,75-l bottles, how man bottles can he fill with the same amount of orange juice?

problem 4 [answer](#)

A car is going at at speed of 60 mph. It takes 12 minutes to the city. How long does it take the same car if it is going at a speed of 80 mph?

problem 5 [answer](#)

The supply of hay of a farmer lasts for 150 days to feed his 40 cows. How long can he feed 30 cows with the same supply of hay?

problem 6 [answer](#)

15 workmen need 20 days to build a new street. How many workmen are needed to build the house in 30 days?

problem 7 [answer](#)

5 caterpillars need 30 days to cut a canal. How many caterpillars are needed to cut the canal within 50 days?

problem 8 [answer](#)

Jane fills apple juice into thirty 0,75-l bottles. If she uses 0,5-l bottles, how man bottles can she fill with the same amount of apple juice?

problem 9 [answer](#)

A car is going at at speed of 100 mph. It takes 10 minutes to go the shopping center.How long does it take the same car if it is going at a speed of 80 mph?