



INDIAN SCHOOL NIZWA - WORKSHEET

MATHEMATICS

CH: 13 Direct And Inverse Variations

Name: _____ Date: _____ Class: VIII Sec: ____

1. If x and y are any two quantities the condition for
 - a) Direct proportion is _____
 - b) Inverse proportion is _____
2. A car travels 432km on 48 litres of petrol. How far would it travel on 20 litres of petrol?
3. Reema types 540 words during half an hour. How many words would she type in 6 minutes?
4. A car is travelling at the average speed of 50km/hr. How much distance would it travel in 12 min?
5. 11 men can dig $6\frac{3}{4}m$ long trench in one day. How many men should be employed for digging 27 metre long trench of the same type in one day?
6. If 56 men can do a piece of work in 42 days. How many men will do it in 14 days?
7. If 36 men can do a piece of work in 25 days, in how many days will 15 men do it?
8. Three spraying machines working together can finish painting a house in 60 minutes. How long will it take for 5 machines of the same capacity to do the same job?