Write "**D**" if the given situation involves direct proportion. Write "**I**" if inverse proportion.

1. If the total daily wages of 7 women or 5 men is $525.What will be the daily wage of 13 and 7 women and men respectively?

2. The cost 16 bars of soap each weighing 1.5 kilogram is $672.Calculate the cost of 18 similar bars of soap each weighing 2 kilograms.

3. If 32 men can reap a field in 15 days, in how many days can 20 men reap the same field?

4. The fuel consumption of a vehicle is 6.8L/102km. What distance can this vehicle cover in 24 liters of fuel?

5. The cost of ferrying 160 bags of cement for 125 km is Rs. 60. What will be the cost of ferrying 200 bags for 400 km?

6. The wages for 12 men working for 5 days are $7500. Calculate the wages of 17 men working for 6 days.

7. 12 men can dig a pond in 8 days. How many men can dig it in 6 days?

8. A hostel has enough food for 125 students for 16 days. How long will the food last if75 more students join them?

9. A fort had enough food for 80 soldiers for 60 days. How long would the food last if 20 more soldiers join after 15 days?

10. 500 soldiers in a fort had enough food for 30 days. After 6 days, some soldiers were sent to another fort and thus the food lasted for 32 more days. How many soldiers left the fort?