

HOT'S QUESTIONS
CLASS VIII: CHAPTER - 13
DIRECT AND INVERSE PROPORTIONS

- Q1:** The amount of extension in an elastic spring varies directly as the weight hung on it. If a weight of 150 gm produces an extension of 2.9 cm, then what weight would produce an extension of 17.4 cm?
- Q2:** In a library 136 copies of a certain book require a shelf length of 3.4 m. How many copies of the same book would occupy a shelf length of 20.4m?
- Q3:** The second-class railway fare for 240 km of journey is Rs. 15. What would be the fare for a journey of 139.2 km?
- Q4:** A worker is paid Rs. 200 for 8 days work. If his total income of the month is Rs. 875, for how many days did he work?
- Q5:** If 52 men can do piece of work in 35 days, in how many days 28 men will do it?
- Q6:** If 56 men can do a piece of work in 42 days. How many men will do it in 14 days?
- Q7:** 1200 men can finish a stock of food in 35 days. How many more men should join them so that the same stock may last for 25 days?
- Q8:** In a hostel of 50 girls there are food provisions for 40 days. If 30 more girls join the hostel, how long will these provisions last?
- Q9:** A group of 3 friends staying together consume 54kg of wheat every month. Some more friends join this group and they find that the same amount of wheat lasts for 18 days. How many new members are there in this group now?
- Q10:** 55 cows can graze a field in 16 days. How many cows will graze the same field in 10 days?
- Q11:** Seema weaves 25 baskets in 35 days. In how many days will she weave 110 baskets?
- Q12:** 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?
- Q13:** 5 men can complete a work in 8 days. How many days will it take if 12 men do the same work?
- Q14:** If 9 men can prepare 135 boxes in 3 hours, how many men are needed to prepare 270 boxes in 1 hour?