MCQ's Work Sheet -IV
CLASS VIII: CHAPTER - 13
DIRECT AND INVERSE PROPORTIONS

Q1: If x and y vary inversely as each other and x = 2 when y = 40. Find x when x = 20.
(a) 40 (b) 16 (c) 4 (d) none of these

Q2: If x and y vary inversely as each other and x = 8 when y = 10. Find y when x = 5.
(a) 40 (b) 16 (c) 4 (d) none of these

Q3: If a and b vary inversely as each other and a = 16 when b = 4. Find b when a = 32.
(a) 2 (b) 8 (c) 4 (d) none of these

Q4: A work force of 50 men with a contractor a finish a piece of work in 5 months. In how manymonths the same work can be completed by 125 men?
(a) 2 (b) 8 (c) 4 (d) none of these

Q5: 1200 men can finish a stock of food in 35 days. How many more men should join the hostel sothat the same stock may lst for 25 days?
(a) 480 (b) 360 (c) 400 (d) none of these

Q6: In a hostel of 50 girls, there are food provisions for 40 days. If 30 more girls join the hostel, howlong will these provisions last?
(a) 26 days (b) 20 days (c) 25 days (d) none of these

Q7: 18 men can reap a field in 35 days. For reaping the same field in 15 days, how many men arerequired?
(a) 48 (b) 36 (c) 42 (d) none of these

Q8: 55 cows can graze a field in 16 days. How many cows will graze the same field in 10 days?
(a) 88 (b) 66 (c) 44 (d) none of these

Q9: If a and b vary inversely as each other and a = 16 when b = 4. Find b when a = 8.
(a) 2 (b) 8 (c) 4 (d) none of these

Q10: If x and y vary directly as each other and x = 4 when y = 16. Find y when x = 9.
(a) 48 (b) 36 (c) 4 (d) none of these

Q11: If x and y vary directly as each other and x = 4 when y = 16. Find y when x = 12.
(a) 48 (b) 36 (c) 4 (d) none of these

Q12: If x and y vary directly as each other and x = 4 when y = 16. Find y when x = 1.
(a) 48 (b) 36 (c) 4 (d) none of these

Q13: If x and y vary directly as each other and x = 4 when y = 16. Find y when x = 3.
(a) 48 (b) 36 (c) 4 (d) none of these

Q14: If 36 men can do a piece of work in 25 days, in how many days will 15 men do it?
(a) 60 days (b) 75 days (c) 50 days (d) none of these