

Class 8 Maths Chapter 13 Direct and Inverse Proportions MCQs

1. If x and y are inversely proportional, then x/y is a constant.
 - A. True
 - B. False
2. If the cost of 10 pens is Rs 90, then the cost of 19 pens is Rs 171.
 - A. True
 - B. False
3. If 5 workers can finish a job in 10 days then one worker will finish it in 2 days.
 - A. True
 - B. False
4. If two boxes occupy 500 sq. centimetres area, then how much area is required to keep 200 such boxes?
 - A. 10,000
 - B. 20,000
 - C. 40,000
 - D. 50,000
5. If 30 men are required to construct a building in 17 days. How many men are required to construct the same building in 10 days?
 - A. 10
 - B. 17
 - C. 21
 - D. 25
6. If $x = ky$ and $y = 4$, $x = 8$. Then the value of $k = ?$
 - A. 1
 - B. 2
 - C. 3
 - D. 4
7. 3 cows finish eating grasses in 8 days. In how many days will 2 cows finish them ?
 - A. 6
 - B. 8
 - C. 10
 - D. 12
8. 10 women can dig a hole in 15 days. How long will it take for 3 women?
 - A. 50 days
 - B. 60 days
 - C. 100 days
 - D. 75 days

9. 600 cans are filled by pipe in 5 hours. How many cans can be filled in 2 hours?
- A. 120
 - B. 180
 - C. 150
 - D. 240
10. If x and y are directly proportional and when $x = 13$, $y = 39$, which of these is not possible for x and y ?
- A. 1 and 3
 - B. 30 and 10
 - C. 17 and 51
 - D. 6 and 18

*****Answer Key*****

- 1. A
- 2. A
- 3. B
- 4. D
- 5. C
- 6. B
- 7. D
- 8. A
- 9. D
- 10. B