



DIRECT & INVERSE PROPORTION

Worksheet 4



THE BEST INVESTMENT YOU CAN MAKE IS IN YOURSELF.

1 2 3 4

1. A can do a piece of work in 15 days and B can do alone it in 10 days. B works at it for 6 days and then leaves. A alone can finish the remaining work in_____

- A. 6.5 days B. 7.5 days C. 5 days D. 6 days
-

2. $\frac{1}{3} : \frac{1}{x} = \frac{1}{x} : \frac{1}{27}$, then the value of x is_____

- A. 9 B. 6 C. 10 D. 5
-

3. A shopkeeper has just enough money to buy 45 cycles worth ₹ 600.00 each. If each cycle were to cost ₹ 15.00 more, then number of cycles, he will be able to buy with that amount of money, is

- A. 43 B. 35 C. 40 D. 42
-

4. A bag contains 25 paise, 10 paise and 5 paise coins in the ratio 2 : 3 : 4. If their total value is ₹ 20, the number of 5 paise coins is_____

- A. 50 B. 80 C. 70 D. 60
-

5. Two numbers are in the ratio 1 : 3. If each number is increased by 9, the ratio becomes 3 : 5. The numbers are_____

- A. 35,25 B. 3.5,14.7 C. 4.5,13.5 D. 13,14
-

6. The ratio of boys and girls in a school of 660 students is 6 : 5. How many girls should be admitted to make ratio 1 : 1 ?

- A. 50 B. 60 C. 40 D. 30
-

7. A can do a piece of work in 50 days. He works at it for 5 days and then B alone finishes the work in 30 days. The two together could have completed the work in

- A. 17 days B. 20 days C. 18 days D. 21 days
-

8. If $x : y = 1 : 5$ and $3 : x = 1 : 5$, then the value of y is_____

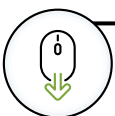
- A. 65 B. 75 C. 15 D. 85
-

9. For a group of 20 students food lasts for 55 days. For how many days will the same food last for 50 students?

- A. 11 days B. 21 days C. 22 days D. 12 days
-

10. A can do a piece of work in 60 days. He works at it for 10 days and then B alone finishes the work in 42 days. The two together could have completed the work in._____

- A. 30.2 days B. 25.8 days C. 27.4 days D. 22.6 days
-



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Answer Key

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



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