

Chapter – 12

Ratio and proportion

Worksheet – 3

1. If $50 : 40 :: 100 : x$, then what is the value of x ?
 - a. 80
 - b. 100
 - c. 110
 - d. 150
2. Ratio equivalent to $3:7$ is ____
 - a. $9:18$
 - b. $9:21$
 - c. $4:16$
 - d. $4:24$
3. Simplest form of $30:5$ is ____
 - a. $5:1$
 - b. $6:1$
 - c. $7:1$
 - d. $8:1$
4. Simplest form of $343:49$ is _____.
 - a. $5:1$
 - b. $6:1$
 - c. $7:1$
 - d. $8:1$
5. If $60 : x :: 100 : 300$, then what is the value of x ?
 - a. 80
 - b. 100
 - c. 110
 - d. 180
6. If $24 : 60 :: x : y$ and $y = 5$, then what is the value of x ?
 - a. 2
 - b. 5
 - c. 7
 - d. 9
7. If $14 : 700 :: x : y$ and $y = 100$, then what is the value of x ?

- a. 2
 - b. 5
 - c. 7
 - d. 9
8. Find y in $35 : 70 :: 45 : y$?
- a. 45
 - b. 70
 - c. 90
 - d. 120
9. Ratio of 75 paise to ₹6 is –
- a. 1:10
 - b. 1:8
 - c. 1:9
 - d. 1:15
10. Ratio of $(25 + 35)$ to $(45 + 55)$ is –
- a. 2:5
 - b. 1:5
 - c. 3:5
 - d. 4:5
11. Divide ₹400 between Anil and Sneha in the ratio of 2:8?
12. 12 men can construct a house in 60 days. In how many days 30 men can complete the same house?
13. Two numbers are in the ratio 3:5 and their sum is 1600. Find the two numbers?
14. Compare whether ratio $\frac{240}{600}$ is bigger or smaller than $\frac{1}{5}$?
15. Divide ₹54000 among A, B, C in the ratio 3:6:9?
16. If $10:x::x:250$, then what is the value of x?
17. If cost of wheat is ₹22.5 per kg and the cost of rice is ₹45 per kg, then what is the ratio between the cost of the two?
18. If cost of bike is ₹50,000 per piece and the cost of car is ₹3,50,000 per piece, then what is the ratio between the cost of the two?
19. Meenakshi and Shefali invested some money in the ratio of 4:5 in a business. If they earned a profit of ₹90,000, then what will be the share of Meenakshi in it?

20. Satish and Manish scored runs in a cricket tournament in the ratio of 6:8. If the total runs scored by them in the tournament are 1400, then find the total runs scored by Manish in the tournament?