

Chapter – 12

Ratio and proportion

Worksheet – 1

1. If p, q, r, s are in proportion, then –
 - a. $Pr = qs$
 - b. $Pq = rs$
 - c. $Ps = qr$
 - d. None of the above
2. Convert $90:40$ into simpler form?
 - a. $8:9$
 - b. $9:8$
 - c. $8:8$
 - d. $9:4$
3. Find the ratio of 60 cm to 3 m?
 - a. $1:6$
 - b. $1:5$
 - c. $1:8$
 - d. $2:5$
4. The length and breadth of a rectangular field are 120 m and 80 m, then what is the ratio of length and breadth?
 - a. $3:6$
 - b. $3:2$
 - c. $1:4$
 - d. $2:5$
5. If 40 apples cost ₹ 240 , what is the ratio of an apple to its cost?
 - a. $1:4$
 - b. $1:8$
 - c. $1:7$
 - d. $1:6$
6. What is the ratio of 30 minutes to 2 hours?
 - a. $2:4$
 - b. $3:8$
 - c. $1:4$
 - d. $2:6$

7. Find the ratio of 500 ml to 3 l?
 - a. 2:4
 - b. 3:8
 - c. 1:4
 - d. 1:6
8. Which of the following is an equivalent ratio of 150:450?
 - a. 30:60
 - b. 30:90
 - c. 120:240
 - d. 40:80
9. Which of the following ratio is not equivalent to 1:2?
 - a. 20:40
 - b. 50:100
 - c. 60:180
 - d. 70:140
10. Derive three equivalent ratios of 35:105?
11. Check whether the given ratios: $\frac{12}{16}$, $\frac{30}{40}$, $\frac{45}{60}$ are equivalent to each other or not?
12. Divide ₹200 between Anil and Sneha in the ratio of 1:4?
13. Ashish and Rahul started a business and invested money in the ratio 4:6. After one year the total profit was ₹80,000. How much is the share of Ashish in the profit?
14. Are 30, 60, 120, 240 in proportion?
15. 20 men can reap a field in 30 days. How many days 30 men can reap the same field?
16. Two numbers are in the ratio 1:8 and their sum is 900. Find the two numbers?
17. Compare whether ratio $\frac{30}{100}$ is bigger or smaller than $\frac{4}{5}$?
18. Divide ₹24600 between Anil and Sneha in the ratio of 20:40?
19. Divide ₹120600 between Satish and Rahul in the ratio of 20:100?