

VII Class

RATIO, PROPORTION AND UNITARY METHOD

1. When we compare two quantities of the same kind (with respect to magnitudes) by _____, we say that we have formed a ratio of the two quantities.
2. Express $100/40$ as a ratio in simplest form _____
3. The first term of ratio is called _____ and the second term in the ratio is called _____
4. The ratio of two quantities is usually expressed in its _____ form.
5. Ratio has no _____ in itself.
6. Express the following in the language of a ratio :
'For preparing tea, 3 cups of water and one cup of milk is required'.
7. Ratio of 90 cm to 1.5 cm is _____
8. Ratio of 2 hrs to 45 min is _____
9. Ratio of 500 ml to 1 l is _____
10. Ratio of 60 ps to Rs. 5 is _____
11. Ratio of 1 hour to 15 sec is _____
12. Ratio of 8 kg to 400 g is _____
13. Ratio of 1 dozen to a score in simplest form _____
14. Out of total strength of 1000 students in a school, 750 went for a picnic. Find the ratio of no. of students who went for a picnic to the no. of students who did not go for the picnic

15. An equality of two ratios is called a _____
16. Is $10 : 5 = 5 : 10$? Give reason.
17. The first and fourth terms of a proportion are called _____ terms and the second and the third terms are called the _____
18. Fill a suitable number in the box so that the four numbers form a proportion.
12, 21, 8,
19. $440\text{m} : 2\text{ km} = 55\text{ cm} : 3\text{ m}$ (True / false)
20. Find the third term of the proportion whose 1st, 2nd and 4th terms are 24, 8 and 5 respectively. _____
21. Are the numbers 3, 9, 9, 27 in proportion? _____
22. Three numbers a, b, c are said to be in continued proportion if _____

23. Find 'x' if 16, x, 4 are in proportion _____
24. Fill in the box so that the given no.s are in proportion. , 32, 64
25. The method of finding the value of one quantity from the given quantities and then finding the value of the required quantities is called _____ method.
26. The weight of 72 books is 9 kg. What is the weight of 80 such books ? _____
27. 15 postcards cost Rs. 7½. The cost of 36 postcards is _____
28. An aeroplane flies 4000 km in 5 hours. How far does it fly in 3 hours ? _____
29. The rent of a room for 4 months is Rs. 4800. What is the rent of the room for an year ?

30. The cost of a quintal rice bag is Rs.1800. What is the cost of 13kg of rice ? _____