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 ______


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. 440m : 2 km = 55 cm : 3 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 13 kg of rice? ________