

UNIT TEST

RATIO AND PROPORTION

CLASS : 6

TOTAL MARKS : 30

I. CHOOSE THE BEST ANSWER

5 Marks

1. The equivalent ratio of 2:7 is _____

- a. 7:2 b. 6:14 c. 4:14 d. 20:35

2. The simplest form of the ratio of 12:6 is _____

- a. 6:3 b. 6:12 c. 1:2 d. 2:1

3. The ratio of the number of sides of a triangle to the number of sides of a square is _____

- a. 4:3 b. 3:4 c. 5:3 d. 3:5

4. The simplest form of the ratio of 2m to 25 cm is _____

- a. 2:25 b. 200:25 c. 8:1 d. 1:8

5. If the cost of 3 dolls is Rs.45, then the cost of 5 dolls is Rs. ____

- a. 75 b. 225 c. 50 d. 15

II. FILL IN THE BLANKS

5 Marks

6. 5:____ :: 30: 18

7. Ratio of 5 minutes to 8 minutes is _____

8. If Rs.50 is divided among P and Q in the ratio 3:2, then Q's share is Rs. _____

9. The two quantities in a ratio should be of the _____ unit.

10. If $a:b::c:d$, then $ad =$ _____

III.GIVE SHORT ANSWERS**10 Marks**

11. Write the simplest form of the ratio of 8 hours to 3 days

Ans: _____

12. Complete the table

12	20	_____	4	8
_____	5	6	1	2

13. Find the value of 'x' if 2, 3, 10, x are in proportion.

Ans: _____

14. Divide 30 chocolates between Rosy and Fathima in the ratio

2:3. Ans: Rosy's share _____ Fathima's share _____

15. If a car covers 80 km in 2 hours, then find the distance covered by car in 5 hours by using Unitary method.

Ans: _____ km

IV.GIVE DETAILED ANSWERS**10 Marks**

16. Out of 60 students in a class, 40 are boys. Find the simplest form of ratio of

a. number of boys to the number of girls. Ans : _____

b. number of boys to the number of total students. Ans : _____

c. number of girls to the number of total students. Ans : _____

17. A line segment 45 cm long is to be divided into two parts in the ratio 4:5. Find the length of each part.

Ans: First part _____ cm

Second part _____ cm