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 = _____

LIVEWORKSHEETS

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

LIVEWORKSHEETS