NAME:-_____ SUB:-_____ STD:- _____

Topic:-_____

1. Multiplication of Decimal Fractions.

Example:-

Multiply 4.3 X 5.

Method I

4.3x5 = 43/10 x 5/1
= 43 x 5/10 x 1
= 215/10
4.3x5 = 21.5

Method II

X	4	3/10
5	20	15/10
	20	1.5

4.3X5=20+1.5=21.5

Method III

43	4.3
X 5	X5
215	21.5

Example 2.

The rate of petrol is 62.32 per litre. Seema
Wants to fill two and a half litres of petrol in
Her scooter. How many rupees will she have to pay?
Which operation is required?

Method I	Method II
62.32 × 2.5 =? 62.32 × 2.5 = 6232/100 × 25/10 = 155800/1000 = 155.800 Seema will have to pay 155.80	6232 × 25 = 155800 62.32 × 2.5 = 155.800 □ First, multiply ignoring the decimal point. □ Then, in the product, starting from the units place, we count as many places as the total decimal places in the multiplicand and multiplier, and place the decimal point before Them.

1. If, 317 × 45 = 14265, then 3.17 × 4.5 =?

   Ans.

2. If, 503 × 217 = 109151, then 5.03 × 2.17 =?

   Ans.

Multiply.

(1) 2.7×1.4

(2) 6.17×3.9

(3) 0.57×2

(4) 5.04×0.7