

Name: Worksheet(3) Grade:6(A)

Subject : Math Date :

Multiplication of Decimals by 10, 100, 1000

 When we multiply a decimal by 10, we shift the decimal point 1 place to the right.

 $3.146 \times 10 = 31.46$

 When we multiply a decimal by 100, the decimal point shifts 2 places to the right.

 $3.146 \times 100 = 314.6$

 When we multiply a decimal by 1000, the decimal point shifts 3 places to the right.

 $3.146 \times 1000 = 3146$

Remember:

To multiply by 10, 100, 1000, shift the decimal point as many places to the right as there are zeros after 1.















Division of Decimals by 10, 100 and 1000

Division of Decimals by 10, 100 and 1000



Example: 32.16

 When we divide a decimal by 10, we shift the decimal point 1 place to the left.

$$32.16 \div 10 = 3.216$$
 $\left[\frac{3216}{100} \times \frac{1}{10} = \frac{3216}{100} = 3.216\right]$

- 2. $32.16 \div 100 = 0.3216$ (Shift the decimal point 2 places to the left.)
- 3. $32.16 \div 1000 = 0.03216$ (Shift the decimal point 3 places to the left.)

Exercise(1) : Evaluate the following :

1)
$$7.56 \times 10 =$$

$$2) 1.32 \times 10 =$$

$$3)0.12 \times 1000 =$$

$$4)0.078 \times 100 =$$

5)
$$9.05 \times 10 =$$

6)
$$120.8 \times 100 =$$

$$7)698.3 \div 10 =$$

8)
$$7.8 \div 100 =$$

9)6.
$$17 \div 1000 =$$

$$10)8 \div 10 =$$

11)
$$9 \div 100 =$$

12)
$$354 \div 1000 =$$

13)
$$7 \times 100 \div 1000 =$$

Exercise (2):	
The length of a such ribbons?	ribbon is 2.58 m. What is the total length of 1000
such ribbons:	
Exercise (3):	Periwinkle
Two less than a one orange?	dozen oranges cost ₹ 180.7. What is the cost of
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