**Chapter 2**

**FRACTIONS AND DECIMALS**

**Question1.**  
**Fill in the blanks: -**  
i. A fraction is a number which can be written in the form a/b, where a, b are   \_\_\_\_\_numbers and b ≠ 0.  
ii. If numerator and denominator of a fraction have no common factor other than 1, then the fraction is said to be in its\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ form.  
iii. if cd=m×am×bcd=m×am×b ,then fractions abab and cdcd  are called\_\_\_\_\_\_\_\_\_\_\_\_\_ fractions because they represent the \_\_\_\_\_\_\_\_\_portion of the whole.  
iv. The value of the product of two proper fractions is\_\_\_\_\_\_\_\_\_\_ than each of the two fractions.  
v. The product of two improper fractions is\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than the two fractions.  
vi. A fraction whose denominator is any of the numbers 10,000, 1000 etc, called a\_\_\_\_\_\_\_\_\_\_\_\_  
vii. 11.5 ÷ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ =1.  
viii. If 312.5 ÷ 25 = 12.5, then value of 3.125 ÷ 25 is\_\_\_\_\_\_\_\_\_\_\_\_\_.  
ix. The product of a proper and an improper fraction is\_\_\_\_\_\_\_\_\_\_\_\_ than the improper fraction and \_\_\_\_\_\_\_\_\_\_then the proper fraction.  
x. When a decimal number is multiplied by 10,000 or 1000 the digits in the product are same as in the decimal number but the decimal point in the product is shifted to the \_\_\_\_\_\_\_\_\_\_\_by as, many of places as there are zeros over one.

**Question2.**  
 **State true / false.**  
i. A decimal fraction is a fraction where the denominator is 10 or higher power of 10.  
ii. Every integer can be expressed as a fraction.  
iii. Like decimals have the same number of decimal places.  
iv. Natural numbers can be expressed as a proper fraction.  
v. The reciprocal of 2727 is 7272  
vi. The reciprocal of a proper fraction is a proper fraction.  
vii. The reciprocal of an improper fraction is an improper fraction  
viii. The product of 7 and 364364 is 31123112  
   
**Question 3**  
 Convert 6.432 into a decimal fraction.  
   
**Question4.**  
 If 12 inches = 1 foot (ft) then change 549 inches into ft.

**Question5.**  
 A fruit seller buys 712 fruits, of which 3/4 are apples. Of all the apples that he bought, 1/3 was found to be rotten. If he sold all the good apples at Rs. 514 each. How much money did he receive on selling all the good apples?  
   
**Question6.**  
 If 21.875 litres of oil is in 312312 cans of tin of equal capacity, find the capacity of oil in each can.  
   
**Question 7**  
 1427+131113+159  
   
**Question 8**  
 212+15212÷15  
 