Ln. 4 : Fractions

1.   Fill in the blanks :

1.   If the product of 2 numbers is 1, then one number is called the _____ of the other number.

2.   The product of a number and its multiplicative inverse is _____.

3.   The product of a fraction and _____ is the fraction itself.

4.   The product of a fraction and 0 is _____.

5.   Every whole number other than _____ has a reciprocal.

6.   The number whose reciprocal is the number itself is _____.

7.   When a fraction is divided by 1, the quotient is _____.

8.   When 1 is divided by a fraction, the quotient is the _____ of the fraction.

9. $6 \times \dfrac{1}{3} = \dfrac{1}{3} \times$ _____

10. $\dfrac{5}{7} \times$ _____ $= \dfrac{5}{7}$

11. $0 \times \dfrac{2}{3} =$ _____

12. $\dfrac{1}{7} \times \dfrac{2}{9} =$ _____ $\times \dfrac{1}{7}$

13.   The multiplicative inverse of 7 is _____

14.   The multiplicative inverse of $\dfrac{1}{3}$ is _____

15. $5 \times$ _____ $= 1$

16. $\dfrac{1}{3} \times$ _____ $= 1$

17. $\dfrac{2}{7}$ X $\dfrac{7}{2}$ = _____

18. When 0 is divided by a non – zero fraction, the quotient is _____.

19. $\dfrac{5}{6}$ ÷ 1 = _____

20. $\dfrac{10}{9}$ ÷ $\dfrac{10}{9}$ = _____

21. $0 ÷ \dfrac{2}{3}$ = _____

22. $1 ÷ \dfrac{4}{5}$ = _____

23. _____ ÷ $\dfrac{6}{9}$ = 0

24. _____ ÷ 1 = $\dfrac{3}{7}$

25. Simplify

$\dfrac{9}{10}$ x 15   20 x $\dfrac{10}{25}$ 3 x $\dfrac{7}{10}$

$\dfrac{5}{3}$ x $\dfrac{9}{13}$ $\dfrac{13}{5}$ x $\dfrac{5}{26}$ $\dfrac{12}{18}$ x $\dfrac{7}{21}$

8 x $4\dfrac{1}{6}$ $3\dfrac{1}{7}$ x $1\dfrac{1}{7}$ 9 of $\dfrac{6}{15}$

5 of $\dfrac{15}{25}$ $1\dfrac{2}{3}$ x $3\dfrac{4}{5}$ $3\dfrac{1}{3}$ x 12

26. Simplify :

$$\frac{3}{5} \div \frac{1}{2} \qquad\qquad \frac{15}{17} \div \frac{4}{5} \qquad\qquad \frac{6}{11} \div \frac{3}{11}$$

$$\frac{4}{5} \div \frac{1}{5} \qquad\qquad \frac{3}{9} \div 2\frac{2}{3} \qquad\qquad \frac{5}{9} \div 1\frac{1}{3}$$

$$\frac{6}{13} \div 2\frac{1}{5} \qquad\qquad \frac{9}{10} \div 3\frac{1}{3} \qquad\qquad \frac{7}{35} \div 4\frac{2}{3}$$

LN. 5 : DECIMALS

I.   Fill in the blanks :

1.   Decimal fractions having equal number of decimal places are called

     _____.

2.   Decimal fractions having unequal number of decimal places are called
      _____.

3.   Decimal fractions having equal values are called _____ .

4.   To multiply a decimal fraction by 10 we shift the decimal point to the
      right by _____ place.

5.   To multiply a decimal fraction by 1000 we shift the decimal point to the
      _____ by 3 places.

6.   0.9 x 10 = _____

7.   6.6 x 100 = _____