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 = _____

8. 4.25 x 1000 = _____

9. 0.9 x _____ = 90

10. 0.004 x _____ = 4

11. 1.45 x _____ = 0

12. _____ x 1 = 9.7

13. 0.7 x 5 = _____

14. 5.6 x 2.1 = 2.1 x _____

15. To divide a decimal fraction by 10 we shift the decimal point to the
    _____ by one place.

16. To divide a decimal fraction by 100, we shift the decimal point to the left
    by _____ places.

17. 1.5 ÷ 10 = _____

18. 25.5 ÷ 1000 = _____

19. 0.35 ÷ 100 = _____

20. 5.6 ÷ _____ = 0.056

21. 16.5 ÷ _____ = 0.165

22. _____ ÷ 100 = 7.59

II   a. Write the following as decimals

1. $\dfrac{5}{10}$ 2. $\dfrac{16}{100}$ 3. $\dfrac{5}{1000}$ 4. $\dfrac{635}{100}$

b.   Write the following mixed numbers as decimals

1. $4\dfrac{5}{10}$ 2. $32\dfrac{9}{100}$ 3. $6\dfrac{5}{1000}$

c.   Write the following decimals as mixed numbers

1.   2.569   2. 7.8   3. 9.32   4. 50.049

d.   Write the place value of the underlined

1.   6.98<u>7</u>   2. 5.0<u>6</u>5   3. 1.<u>9</u>7   4.   3.6<u>2</u>

e.   Write as decimals

1.   400 + 60 + 5 + 0.2 + 0.09

2.   30 + 2 + 0.7 + 0.03

3. $50 + 4 + \dfrac{2}{10} + \dfrac{8}{100}$

4. $200 + 10 + 5 + \dfrac{1}{10} + \dfrac{4}{1000}$

f.   Write in expanded form

1.   2.56   2. 17.93   3.   563.006

g.   Convert the pairs of unlike decimal fractions into like decimal fractions

1.   6.7,   5.98   2. 14.62,   9.845

h.   Put the correct sign >, <   or =

1.   5.6   _____   5.64

2.   0.02   _____   0.002

3. $4\frac{5}{10}$ _____ $4\frac{5}{100}$

4. 15.94 _____ 15.49

5. 1.89 _____ 2.05

i. Write in ascending order

1. 4.045, 4.049, 4.006, 4.540

2. 30.56, 350.6, 30.65, 305.8

j. Write in descending order

1. 39.64, 396.45, 3.694, 39.463

2. 85.96, 80.96, 85.69, 80.66

III Arrange in columns and add

1. 1.7 + 4.8 + 6.37,   2. 15.72 + 20 + 116.54

3. 82.45 + 13.769 + 8.684   4. ₹15.6 + ₹210.75

5. 0.75 ℓ + 15.9 ℓ,   6. 316 kg + 6.40 kg

IV Arrange in columns and subtract

1. 8.75 - 4.982,   2. 39.6 - 18.775

3. 0.4 - 0.15,   4. 5.98 kg - 3.7 kg

5. ₹89 - ₹ 15.65   6. 350.45 kg - 130.375 kg

V Find the product.

a. 3.5 x 98   b. 4.43 x 390   c. 0.7 x 25

d. 3.75 x 47   e. 32 x 10.7   f. 3.9 x 0.6

g. 0.08 x 10.9   h. 7.98 x 46   i. 435 x 7.4

VI   Divide and find the quotient.

a.   1.92 ÷ 25   b. 3.784 ÷ 4   c. 17.76 ÷ 32

d.   0.0075 ÷ 125   e. 0.9 ÷ 900   f. 1.2 ÷ 300

g.   819.6 ÷ 40   h. 1.05 ÷ 1.5   i.   18 ÷ 0.9

Ln. 10 : Profit and Loss

 I.   Fill in the blanks :

1.   The price at which an article is bought is its _____.

2.   The Price at which an article is sold is its _____.

3.   The _____ includes overhead expenses.

4.   If the goods are sold at lower price than C.P., then there is a _____.

5.   If C.P. > S.P. then there is a _____.

6.   If C.P. < S.P. then there is a _____.

7.   C.P. = ₹ 250, S.P. = ₹ 225,   Loss = _____.

II   **Find the Profit or Loss**

a.   SP = ₹ 12500   CP = ₹ 11950

b.   SP = ₹ 816.75   CP = ₹ 905.50

c.   SP = ₹ 9000   CP = ₹ 8540