

26. Simplify :

$$\frac{3}{5} \div \frac{1}{2}$$

$$\frac{15}{17} \div \frac{4}{5}$$

$$\frac{6}{11} \div \frac{3}{11}$$

$$\frac{4}{5} \div \frac{1}{5}$$

$$\frac{3}{9} \div 2\frac{2}{3}$$

$$\frac{5}{9} \div 1\frac{1}{3}$$

$$\frac{6}{13} \div 2\frac{1}{5}$$

$$\frac{9}{10} \div 3\frac{1}{3}$$

$$\frac{7}{35} \div 4\frac{2}{3}$$

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. $0.9 \times 10 =$ _____
7. $6.6 \times 100 =$ _____

8. $4.25 \times 1000 = \underline{\hspace{2cm}}$
9. $0.9 \times \underline{\hspace{2cm}} = 90$
10. $0.004 \times \underline{\hspace{2cm}} = 4$
11. $1.45 \times \underline{\hspace{2cm}} = 0$
12. $\underline{\hspace{2cm}} \times 1 = 9.7$
13. $0.7 \times 5 = \underline{\hspace{2cm}}$
14. $5.6 \times 2.1 = 2.1 \times \underline{\hspace{2cm}}$
15. To divide a decimal fraction by 10 we shift the decimal point to the
 $\underline{\hspace{2cm}}$ by one place.
16. To divide a decimal fraction by 100, we shift the decimal point to the left
 by $\underline{\hspace{2cm}}$ places.
17. $1.5 \div 10 = \underline{\hspace{2cm}}$
18. $25.5 \div 1000 = \underline{\hspace{2cm}}$
19. $0.35 \div 100 = \underline{\hspace{2cm}}$
20. $5.6 \div \underline{\hspace{2cm}} = 0.056$
21. $16.5 \div \underline{\hspace{2cm}} = 0.165$
22. $\underline{\hspace{2cm}} \div 100 = 7.59$

II a. Write the following as decimals

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

b. Write the following mixed numbers as decimals

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

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. 6.987 2. 5.065 3. 1.97 4. 3.62

e. Write as decimals

1. $400 + 60 + 5 + 0.2 + 0.09$

2. $30 + 2 + 0.7 + 0.03$

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

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

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. $0.75 \text{ l} + 15.9 \text{ l}$,

6. $316 \text{ kg} + 6.40 \text{ kg}$

IV Arrange in columns and subtract

1. $8.75 - 4.982$,

2. $39.6 - 18.775$

3. $0.4 - 0.15$,

4. $5.98 \text{ kg} - 3.7 \text{ kg}$

5. ₹ 89 - ₹ 15.65

6. $350.45 \text{ kg} - 130.375 \text{ kg}$

V Find the product.

a. 3.5×98

b. 4.43×390

c. 0.7×25

d. 3.75×47

e. 32×10.7

f. 3.9×0.6

- g. 0.08×10.9 h. 7.98×46 i. 435×7.4

VI Divide and find the quotient.

- a. $1.92 \div 25$ b. $3.784 \div 4$ c. $17.76 \div 32$
d. $0.0075 \div 125$ e. $0.9 \div 900$ f. $1.2 \div 300$
g. $819.6 \div 40$ h. $1.05 \div 1.5$ i. $18 \div 0.9$
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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. $SP = ₹ 9000$ $CP = ₹ 8540$