

Ex-10(A)

- a) $0.07 \rightarrow$ Zero point zero seven.
 e) $0.005 \rightarrow$ Zero point zero zero five.
 g) $0.0036 \rightarrow$ Zero point zero zero three six.
 h) $27.075 \rightarrow$ Twenty-seven point zero seven five.

- 2 a) Two tenths \rightarrow i) $\frac{2}{10}$ ii) 0.2
 e) Seventy two hundredths = i) $\frac{72}{100}$ ii) 0.72
 f) Sixteen and twenty seven hundredths = i) $16\frac{27}{100}$ ii) 16.27 .
 g) Five thousandths = $\frac{5}{1000}$ ii) 0.005 .

3 b) $\frac{37}{100} = 0.37$ d) $\frac{35}{1000} = 0.035$ f) $21\frac{76}{100} = 21.76$.

~~a) $0.125 = \frac{125}{1000} = \frac{5}{40}$~~
~~b) $0.124 = \frac{124}{1000} = \frac{31}{250}$~~

4 b) $0.124 = \frac{124}{1000} = \frac{31}{250}$

d) $0.055 = \frac{55}{1000} = \frac{11}{200}$

f) $30.09 = 30\frac{09}{100} = 30\frac{9}{100}$

g) $100.225 = 100\frac{225}{1000} = 100\frac{9}{40}$

7 b) $0.008 \leq 0.1$ d) $0.48 \leq 0.7$ e) $0.125 \leq 0.$

8 a) $0.48 < 0.6 < 0.7$
 c) $0.103 < 0.123 < 0.321$
 d) $0.8 < 0.83 < 0.9$

g) $0.56 > 0.53 > 0.25$
 d) $1.05 > 0.81 > 0.77.$
 f) $0.426 > 0.246 > 0.024$

10 b) $\frac{7}{8} = 0.875$

$$\begin{array}{r} 70 \\ 64 \overline{) 70} \\ \underline{60} \\ 10 \\ 56 \\ \underline{40} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

 $= 0.875$

d) $20 \frac{3}{5}$

$$\begin{array}{r} 30 \\ 5 \overline{) 30} \\ \underline{30} \\ 0 \end{array} \cdot 6$$

 $= 20.6$

g) $58 \frac{5}{64}$

$$\begin{array}{r} 500 \\ 64 \overline{) 500} \\ \underline{448} \\ 520 \\ \underline{512} \\ 80 \\ 64 \\ \underline{160} \\ 128 \\ \underline{920} \\ 320 \\ \underline{320} \\ 0 \end{array}$$

$= 58.078125$

11 b) 0.175

$$\begin{array}{r} 175 \\ 1000 \overline{) 175} \\ \underline{1000} \\ 750 \\ \underline{700} \\ 500 \\ \underline{400} \\ 1000 \\ \underline{1000} \\ 0 \end{array} = \frac{7}{40}$$

d) $7.625 = 7 \frac{61}{8}$

$$\begin{array}{r} 30561 \\ 7625 \overline{) 30561} \\ \underline{1525} \\ 15311 \\ \underline{1525} \\ 608 \end{array} = 7 \frac{61}{8}$$

g) 9.55

$$= 9 \frac{55}{100} = 9 \frac{11}{20}$$

12 a) $5.7 = \underline{6}$ e) $642.3 = \underline{642}$ f) $304.5 = \underline{305}$

13 a) $12.38 = \underline{12.4}$ e) $940.08 = \underline{940.1}$ f) $505.55 = \underline{505.6}$

14 b) $33.366 = \underline{33.37}$ d) $786.103 = \underline{786.10}$ e) $388.108 = \underline{388.01}$

15 b) 51.175
 N.H $\rightarrow 51.18$
 N.T $\rightarrow 51.2$
 W $\rightarrow 51$

d) 499.862
 N.H $\rightarrow 499.86$
 N.T $\rightarrow 499.9$
 W $\rightarrow 500$

10(A)

a) 4.56m	89.56m	b) 3.467l	5.34l
= 5m	= 90m	= 3l	= 5l
c) 4.576	78.340		
= 5kg	= 78kg		

Ex-10(B)

$$\begin{array}{r} 1) \text{ c) } 44.6 \\ + 80.6 \\ + 96.0 \\ + 0.75 \\ \hline 221.95 \end{array}$$

$$\begin{array}{r} \text{f) } 999.9 \\ + 99.9 \\ + 9.09 \\ + 9.9099 \\ \hline 1118.7999 \end{array}$$

$$\begin{array}{r} \text{g) } 1000.000 \\ 100.010 \\ + 10.100 \\ + 1.1011 \\ \hline 1111.2111 \end{array}$$

$$\begin{array}{r} \text{h) } 526.300 \\ 20.076 \\ 6.793 \\ 3.24 \\ \hline 556.409 \end{array}$$

$$\begin{array}{r} 2) \text{ a) } 0.3600 \\ - 0.2431 \\ \hline 0.1169 \end{array}$$

$$\begin{array}{r} \text{c) } 0.02 \\ - 0.002 \\ \hline 0.018 \end{array}$$

$$\begin{array}{r} \text{e) } 0.7148 \\ - 0.43 \\ \hline 0.2848 \end{array}$$

$$\begin{array}{r} \text{h) } 0.3568 \\ - 0.1709 \\ \hline 0.1859 \end{array}$$

$$\begin{array}{r} 4) 150.0000 \\ - 112.5168 \\ \hline 37.4832 \end{array}$$

$$\begin{array}{r} \text{b) } 0.9000 \\ - 0.0945 \\ \hline 0.8055 \end{array}$$

$$\begin{array}{r} \text{f) } 900.00 \\ - 642.57 \\ \hline 257.43 \end{array}$$

$$\begin{array}{r} 8) 1500.00 \\ - 1125.15 \\ \hline 374.85 \end{array}$$

$$\begin{array}{r} 10) 0.9483 \\ + 10.07 \\ \hline 11.0183 \end{array}$$

$$\frac{11}{a)} 3.26 + 5.4 - 6.8$$

$$\begin{array}{r} 3.26 \\ + 5.4 \\ \hline 8.66 \\ - 6.80 \\ \hline 1.86 \end{array}$$

$$= \underline{1.86}$$

$$c) 141.6 - 100 - 80.38 + 65.3$$

$$\begin{array}{r} 141.6 \\ + 65.358 \\ \hline 206.958 \end{array}$$

$$\begin{array}{r} 100.00 \\ 80.38 \\ \hline 180.38 \end{array}$$

$$\begin{array}{r} 206.958 \\ - 180.380 \\ \hline 26.578 \end{array}$$

$$= 26.578$$

$$e) 37.3 - 18.46 + 50.2 - 2.36 - 20.7156$$

$$\begin{array}{r} 37.3 \\ 50.2 \\ \hline 87.5 \end{array}$$

$$\begin{array}{r} 18.46 \\ 2.36 \\ 20.7156 \\ \hline 41.5356 \end{array}$$

$$\begin{array}{r} 87.5000 \\ - 41.5356 \\ \hline 45.9644 \end{array} \text{ (Ans)}$$

Ex-10(c)

$$\begin{array}{l} a) 0.487 \times 10 = 4.870 \\ 0.487 \times 100 = 48.700 \\ 0.487 \times 1000 = 487.000 \end{array}$$

$$\begin{array}{l} c) 6.063 \times 10 = 60.630 \\ 6.063 \times 100 = 606.300 \\ 6.063 \times 1000 = 6063.000 \end{array}$$

$$\begin{array}{l} b) 0.0009 \times 10 = 0.0090 \\ 0.0009 \times 100 = 0.0900 \\ 0.0009 \times 1000 = 0.9000 \end{array}$$

$$\begin{array}{l} e) 51.835 \times 10 = 518.350 \\ 51.835 \times 100 = 5183.500 \\ 51.835 \times 1000 = 51835.000 \end{array}$$

$$\frac{2}{b) 0.389 \times 10000 = 3890.000}$$

$$d) 3.208 \times 10 = 32.080$$

$$f) 3.017 \times 10 = 30.170$$

$$g) 1008.2 \times 100 = 100820.0$$

Ex-10 (D)

b) 16.32×8

$$\begin{array}{r} 16.32 \\ \times 8 \\ \hline 130.56 \\ \hline \end{array}$$

= 130.56

f) 2.008×150

$$\begin{array}{r} 2.008 \\ \times 150 \\ \hline 0000 \\ 10040 \times \\ 2008 \times \times \\ \hline 301.200 \\ \hline \end{array}$$

= 301.200

h) 0.487×240

$$\begin{array}{r} 0.487 \\ \times 240 \\ \hline 000 \\ 1948 \times \\ 974 \times \times \\ \hline 116.880 \\ \hline \end{array}$$

= 116.880

j) 100.01

$$\begin{array}{r} 100.01 \\ \times 200 \\ \hline 00000 \\ 00000 \times \\ 20002 \times \times \\ \hline 2000200 \\ \hline \end{array}$$

= 20002

2) a) 18.4×0.12

$$\begin{array}{r} 18.4 \\ \times 0.12 \\ \hline 368 \\ 184 \times \\ \hline 2.208 \\ \hline \end{array}$$

= 2.208

c) 1.32×0.0008

$$\begin{array}{r} 1.32 \\ \times 0.0008 \\ \hline 0.001056 \\ \hline \end{array}$$

= 0.001056

e) $3.48 \times 16 \times 0.5$

$$\begin{array}{r} 3.48 \\ \times 16 \\ \hline 2088 \\ 348 \times \\ \hline 55.68 \\ \times 0.5 \\ \hline 27.840 \\ \hline \end{array}$$

= 27.84

1) $0.03 \times 0.03 \times 0.03$

$$\begin{array}{r} 0.03 \\ \times 0.03 \\ \hline 0.0009 \\ \times 0.03 \\ \hline 0.000027 \\ \hline \end{array}$$

= 0.000027

3) $324 \times 12 = 3888$

a) $3.24 \times 12 = 38.88$

b) $32.4 \times 12 = 388.8$

c) $0.324 \times 12 = 3.888$

d) $0.00324 \times 12 = 0.03888$

5) $2.48 \times 6 = 14.88$

a) $2.48 \times 60 = 148.80$

$2.48 \times 600 = 1488.00$

$2.48 \times 6 = 14.88$

$2.48 \times 0.06 = 0.1488$

10(F)

$$1) \frac{0.406}{29} \left| \frac{0.406}{29} \right| \cdot 0.014$$
$$\begin{array}{r} 0.406 \\ 29 \overline{) 0.406} \\ \underline{116} \\ 116 \\ \underline{xx} \end{array}$$

= 0.014

3) 147.2 by 230

$$\frac{0.64}{230} \left| \frac{147.2}{230} \right|$$
$$\begin{array}{r} 0.64 \\ 230 \overline{) 147.2} \\ \underline{1380} \\ 920 \\ \underline{920} \\ \underline{xx} \end{array}$$

= 0.64

5) 17.4 by 2000

$$\frac{0.0087}{2000} \left| \frac{17.400}{2000} \right| \cdot 0.0087$$
$$\begin{array}{r} 17.400 \\ 2000 \overline{) 17.400} \\ \underline{14000} \\ 14000 \\ \underline{x} \end{array}$$

= 0.0087

8) $\frac{316.96 \times 1000}{0.028 \times 1000}$

$$= \frac{316960}{28} \left| \frac{316960}{28} \right| 11320$$
$$\begin{array}{r} 316960 \\ 28 \overline{) 316960} \\ \underline{28} \\ 36 \\ \underline{28} \\ 89 \\ \underline{84} \\ 56 \\ \underline{56} \\ \underline{xx} \end{array}$$

Ex - 10(G)

2/ Amar's monthly income = ₹ 28000

Money spent on rent = ₹ 12000

" " " food = ₹ 7500

" " " transport = ₹ 1200

" " " school fees = ₹ 1775

∴ Total money spent = ₹ 22475

Money saved = $\begin{array}{r} 28000 \\ - 22475 \\ \hline \end{array}$

₹ 5525

Money saved every month = ₹ 5525

4 Money spent on Rice = ₹ 275.80

u " u wheat = ₹ 418.85

u " u spices = ₹ 208.25

Total money spent = ₹ 902.90

Money given to the shopkeeper = ₹ 1000.00

∴ Money the shopkeeper returned back =

$$\begin{array}{r} 1000.00 \\ - 902.90 \\ \hline ₹ 97.10 \end{array}$$

5 Cost of 1 rice bag = ₹ 135.50

$$\begin{array}{r} ∴ \text{ u " 9 " " } = 135.50 \\ \times 9 \\ \hline 1219.50 \end{array}$$

Cost of 1 wheat bag = ₹ 95.75

$$\begin{array}{r} ∴ \text{ u " 12 " " } = 95.75 \\ \times 12 \\ \hline 19150 \\ 9575 \times \\ \hline 1149.00 \end{array}$$

∴ Total cost of 9 rice bag & 12 wheat bag =

$$\begin{array}{r} 1219.50 \\ + 1149.00 \\ \hline ₹ 2368.50 \end{array}$$

Ex-10 G

6 Cost of 1 pen = ₹ 18.25

∴ " " 6 pens = 18.25×6
= 109.50

Cost of 1 pencil = ₹ 4.75

∴ " " 10 pencils = 4.75×10
= ₹ 47.50

∴ Total cost of 6 pens & 10 pencils =

$$\begin{array}{r} 109.50 \\ + 47.50 \\ \hline 157.00 \end{array}$$

Money Sudhir got back from his shopkeeper =

$$\begin{array}{r} 200.00 \\ - 157 \\ \hline ₹ 43.00 \end{array}$$

7 The cost of 9 fans = 8370

∴ " " of 1 fan = $8370 \div 9 = 930$

$$\begin{array}{r} 9 \overline{) 8370} \quad 930 \\ \underline{81} \\ 27 \\ \underline{27} \\ 00 \\ \underline{00} \\ 00 \\ \hline \end{array}$$

∴ Cost of 14 fans = $\begin{array}{r} 930 \\ \times 14 \\ \hline 3720 \\ 930 \times \\ \hline 13020 \end{array}$

= ₹ 13020