

Hw2
12/01/22

Ex 19(c)

1) Multiply the following :

a) ₹12.75 x 8

$$\begin{array}{r} \textcircled{2} \textcircled{6} \textcircled{0} \\ \text{₹} 12.75 \\ \times \quad 8 \\ \hline \text{₹} 102.00 \end{array}$$

b) ₹1.25 x 10

$$\begin{array}{r} \text{₹} 1.25 \\ \times \quad 10 \\ \hline 000 \\ + 1250 \\ \hline \text{₹} 12.50 \end{array}$$

c) ₹15.26 x 15

$$\begin{array}{r} \textcircled{2} \textcircled{0} \textcircled{0} \\ 15.26 \\ \times \quad 15 \\ \hline 7630 \\ + 15260 \\ \hline \text{₹} 228.90 \end{array}$$

d) ₹ 945.75 × 25

$$\begin{array}{r} \textcircled{0}\textcircled{0}\textcircled{0}\textcircled{0} \\ \text{₹ } 945.75 \\ \times \quad \quad 25 \\ \hline 472875 \\ + 1891500 \\ \hline 23643.75 \end{array}$$

e) ₹ 526.40 × 16

$$\begin{array}{r} \textcircled{0}\textcircled{0}\textcircled{0} \\ \text{₹ } 526.40 \\ \times \quad \quad 16 \\ \hline 315840 \\ + 526400 \\ \hline 8422.40 \end{array}$$

f) ₹ 6450.50 × 15

$$\begin{array}{r} \textcircled{0}\textcircled{0}\textcircled{0} \\ \text{₹ } 6450.50 \\ \times \quad \quad 15 \\ \hline 3225250 \\ + 6450500 \\ \hline 96757.50 \end{array}$$

g) ₹8125612 X 42

$$\begin{array}{r} \textcircled{0} \textcircled{0} \\ \text{₹} 8125612 \\ \times \quad \quad \quad 42 \\ \hline 16251224 \\ + 325024480 \\ \hline \text{₹} 3412757.04 \end{array}$$

h) ₹85132.05 X 55

$$\begin{array}{r} \textcircled{0} \textcircled{00} \textcircled{0} \\ \text{₹} 85132.05 \\ \times \quad \quad \quad 55 \\ \hline 42566025 \\ + 425660250 \\ \hline \text{₹} 4682262.75 \end{array}$$

i) ₹87152.10 X 75

$$\begin{array}{r} \textcircled{0} \textcircled{00} \\ \text{₹} 87152.10 \\ \times \quad \quad \quad 75 \\ \hline 43576050 \\ + 610064700 \\ \hline \text{₹} 6536407.50 \end{array}$$

j) ₹90456.75 X 95

Date _____
Page _____

j) ₹90456.75 × 95

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$$\begin{array}{r} \text{₹} 90456.75 \\ \times \quad \quad \quad 95 \\ \hline 45228375 \\ + 814110750 \\ \hline 8593391.25 \end{array}$$

2) Divide the following:

a) ~~₹96 ÷ 2~~ ₹96 ÷ 2

$$\begin{array}{r} 48 \\ 2 \overline{) 96} \\ \underline{-8} \downarrow \\ 16 \\ \underline{-16} \\ 0 \end{array}$$

Thus, ₹96 ÷ 2 = ₹48

b) ₹1.33 ÷ 7

$$\begin{array}{r}
 0.19 \\
 7 \overline{) 1.33} \\
 \underline{-0} \downarrow \\
 13 \\
 \underline{-7} \downarrow \\
 63 \\
 \underline{-63} \\
 0
 \end{array}$$

Thus, ₹1.33 ÷ 7 = ₹0.19

c) ₹85.14 ÷ 9

$$\begin{array}{r}
 9.46 \\
 9 \overline{) 85.14} \\
 \underline{-81} \downarrow \\
 41 \\
 \underline{-36} \downarrow \\
 54 \\
 \underline{-54} \\
 0
 \end{array}$$

Thus, ₹85.14 ÷ 9 = ₹9.46

d) ₹275.22 ÷ 6

$$\begin{array}{r}
 45.87 \\
 6 \overline{) 275.22} \\
 \underline{-24} \downarrow \\
 35 \\
 \underline{-30} \downarrow \\
 52 \\
 \underline{-48} \downarrow \\
 42 \\
 \underline{-42} \\
 0
 \end{array}$$

Thus, ₹275.22 ÷ 6 = ₹45.87

e) ₹851.52 ÷ 12

$$\begin{array}{r}
 70.96 \\
 12 \overline{) 851.52} \\
 \underline{-84} \downarrow \\
 11 \\
 \underline{-0} \downarrow \\
 115 \\
 \underline{-108} \downarrow \\
 72 \\
 \underline{-72} \\
 0
 \end{array}$$

Thus, ₹851.52 ÷ 12 = ₹70.96

f) ₹7045.42 ÷ 15

~~$$\begin{array}{r}
 469.694 \\
 15 \overline{) 7045.420} \\
 \underline{-60} \downarrow \\
 104 \\
 \underline{-90} \downarrow \\
 145 \\
 \underline{-135} \downarrow \\
 104 \\
 \underline{-90} \downarrow \\
 142 \\
 \underline{-135} \downarrow \\
 70 \\
 \underline{-60}
 \end{array}$$~~

$$\begin{array}{r}
 469.69 \\
 15 \overline{) 7045.42} \\
 \underline{-60} \downarrow \\
 104 \\
 \underline{-90} \downarrow \\
 145 \\
 \underline{-135} \downarrow \\
 104 \\
 \underline{-90} \downarrow \\
 142 \\
 \underline{-135} \\
 7
 \end{array}$$

Thus, ₹7045.42 ÷ 15 = ₹469.69

$$\begin{array}{r}
 361.87 \\
 g) \text{ ₹}9046.75 \div 25 \quad 25 \overline{) 9046.75} \\
 \underline{-75} \downarrow \\
 154 \\
 \underline{-150} \downarrow \\
 46 \\
 \underline{-25} \downarrow \\
 217 \\
 \underline{-200} \downarrow \\
 175 \\
 \underline{-175} \\
 0
 \end{array}$$

Thus, ₹9046.76 ÷ 25 = ₹361.87

h) ₹10456.32 ÷ 8

$$\begin{array}{r} 1307.04 \\ 8 \overline{) 10456.32} \\ \underline{-8} \\ 24 \\ \underline{-24} \\ 05 \\ \underline{-0} \\ 56 \\ \underline{-56} \\ 03 \\ \underline{-0} \\ 32 \\ \underline{-32} \\ 0 \end{array}$$

∴ Thus, ₹10456.32 ÷ 8 = ₹1307.04

i) ₹45867.45 ÷ 5

$$\begin{array}{r}
 9173.49 \\
 \underline{5 \overline{) 45867.45}} \\
 \underline{-45} \\
 08 \\
 \underline{-5} \\
 36 \\
 \underline{-35} \\
 17 \\
 \underline{-15} \\
 24 \\
 \underline{-20} \\
 45 \\
 \underline{-45} \\
 0
 \end{array}$$

Thus, ₹ 45867.45 ÷ 5 = ₹ 9173.49 .