

Exercise 3.1

Q.1 Evaluate:

(a) 3.12×12

$$\begin{array}{r} \Rightarrow \quad 312 \\ \times 12 \\ \hline 624 \\ + 312 \times \\ \hline 3744 \end{array}$$

Ans $\Rightarrow 37.44$

(b) 2.8×14

$$\begin{array}{r} \Rightarrow \quad 28 \\ \times 14 \\ \hline 112 \\ + 28 \times \\ \hline 492 \end{array}$$

Ans $\Rightarrow 49.2$

(c) 8.56×18

$$\begin{array}{r} \Rightarrow \quad 856 \\ \times 18 \\ \hline 6848 \\ + 856 \times \\ \hline 15408 \end{array}$$

Ans $\Rightarrow 154.08$

(d) 1.02×7

$$\begin{array}{r} \Rightarrow \quad 102 \\ \times 7 \\ \hline 714 \\ \times \end{array}$$

Ans $\Rightarrow 7.14$

(f) 6.9×13

$$\begin{array}{r} \Rightarrow \quad 69 \\ \times 13 \\ \hline 207 \\ + 69 \times \\ \hline 897 \end{array}$$

Ans $\Rightarrow 89.7$

(e) 7.12×7

$$\begin{array}{r} \Rightarrow \quad 712 \\ \times 7 \\ \hline 4984 \end{array}$$

Ans $\Rightarrow 49.84$



Q1 1423×6

$$\begin{array}{r} 1423 \\ \times 6 \\ \hline 8538 \end{array}$$

Ans $\Rightarrow 8538$

Q2 032×11

$$\begin{array}{r} 032 \\ \times 11 \\ \hline 032 \\ + 032 \times \\ \hline 0352 \end{array}$$

Ans $\Rightarrow 352$

Q3 Multiply the following:

(a) 376×10

$\Rightarrow 3760$

Ans $\Rightarrow 3760$

(b) 0.067×100

$\Rightarrow 0.06700$

Ans $\Rightarrow 6.7$

(c) 23.67×1000

$\Rightarrow 23670.00$

Ans $\Rightarrow 23670$

(d) 0.0056×1000

$\Rightarrow 0.0056000$

Ans $\Rightarrow 5.6$

(e) 2.4242×1000

$\Rightarrow 2424.2000$

Ans $\Rightarrow 2424.2$

(f) 6.16×100

$\Rightarrow 616.000$

Ans $\Rightarrow 616.16$

(g) 0.00065×1000

$\Rightarrow 0.00065000$

Ans $\Rightarrow 0.65$

(h) 0.0876×10

$\Rightarrow 0.08760$

Ans $\Rightarrow 0.876$

Q2 Find the product:

(a) 2.04×3.56

$$\begin{array}{r} 2.04 \\ \times 3.56 \\ \hline 12.24 \\ + 102.0 \times \\ \hline 114.24 \end{array}$$

Ans $\Rightarrow 1.1424$

(b) 113.12×2.09

$$\begin{array}{r} 113.12 \\ \times 2.09 \\ \hline 101808 \\ 00000 \times \\ + 22624 \times \times \\ \hline 2364208 \end{array}$$

Ans $\Rightarrow 2364208$

(c) 45.12×3.5

$$\begin{array}{r} 45.12 \\ \times 3.5 \\ \hline 22.560 \\ + 13536 \times \\ \hline 157920 \end{array}$$

Ans $\Rightarrow 157.920$

(d) $10007 \times 11.1 \times 0.2$

$$\begin{array}{r} 10007 \\ \times 0.2 \\ \hline 20014 \\ + 00000 \times \\ \hline 020014 \end{array}$$

$$\begin{array}{r} 020014 \\ \times 0.2 \\ \hline 040028 \\ + 000000 \times \\ \hline 0040028 \end{array}$$

Ans $\Rightarrow 0.40028$

(e) 3.61×4.04

$$\begin{array}{r} 3.61 \\ \times 4.04 \\ \hline 1444 \\ 000 \times \\ + 1444 \times \times \\ \hline 145844 \end{array}$$

Ans $\Rightarrow 14.5844$



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(1) 212.22×3.05

$$\begin{array}{r} 21222 \\ \times 305 \\ \hline 106110 \\ 00000 \times \\ + 63666 \times \\ \hline 6472710 \end{array}$$

Ans: 6472710

(2) 3.674×0.42

$$\begin{array}{r} 3674 \\ \times 042 \\ \hline 7348 \\ 14696 \times \\ + 0000 \times \\ \hline 154308 \end{array}$$

Ans: 154308

(3) $0.079 \times 10.20 \times 21$

$$\begin{array}{r} 0079 \\ \times 1020 \\ \hline 0000 \\ 0158 \times \\ 0000 \times \\ + 0079 \times \times \\ \hline 0080580 \\ \times 21 \\ \hline 0080580 \\ + 0161160 \times \\ \hline 01692180 \end{array}$$

Ans: 01692180

Q.4 Find the area of a rectangle of dimensions 4.7 cm and 5.8 cm.

Length $\Rightarrow 4.7$ cm
Breadth $\Rightarrow 5.8$ cm

Area of rectangle $\Rightarrow L \times B$
 $\Rightarrow 4.7 \times 5.8 \text{ cm}^2$
Ans: $\Rightarrow 27.26 \text{ cm}^2$

Q.5 Ravi — — — — — hours?

Speed of Ravi $\Rightarrow 5.6 \text{ km/hr}$
Time taken by Ravi $\Rightarrow 0.5 \text{ hrs}$
Distance $\Rightarrow \text{Speed} \times \text{Time}$
 $\Rightarrow 5.6 \times 0.5 \text{ km}$
Ans: $\Rightarrow 2.80 \text{ km}$

Speed of Siya $\Rightarrow 4.9 \text{ km/hr}$
Time taken by Siya $\Rightarrow 0.5 \text{ hrs}$
Distance $\Rightarrow \text{Speed} \times \text{Time}$
 $\Rightarrow 4.9 \times 0.5 \text{ km}$
Ans: $\Rightarrow 2.45 \text{ km}$

Q.6 Milk — — — — — cost?

Cost of 1 l milk $\Rightarrow ₹ 38.50$
Cost of 10 l milk $\Rightarrow ₹ 38.50 \times 10$
 $\Rightarrow ₹ 385$

Cost of 100 l milk $\Rightarrow ₹ 38.50$
 $\Rightarrow ₹ 38.50 \times 100$
Ans: $\Rightarrow ₹ 3850$

Exercice 3.2

6. Evaluate:

(a) $96.6 \div 7$

$$\begin{array}{r} 7 \overline{) 966} 138 \\ \underline{-7} \\ 26 \\ \underline{-21} \\ 056 \\ \underline{+56} \\ 00 \end{array}$$

Ans $\Rightarrow 138$

(b) $0.842 \div 2$

$$\begin{array}{r} 2 \overline{) 0.842} 0.421 \\ \underline{-0} \\ 08 \\ \underline{-8} \\ 04 \\ \underline{-4} \\ 02 \\ \underline{-2} \\ 0 \end{array}$$

Ans $\Rightarrow 0.421$

(c) $175.44 \div 12$

$$\begin{array}{r} 12 \overline{) 17544} 1462 \\ \underline{-12} \\ 55 \\ \underline{-48} \\ 074 \\ \underline{-72} \\ 024 \\ \underline{-24} \\ 00 \end{array}$$

Ans $\Rightarrow 1462$

(d) $271.8 \div 15$

$$\begin{array}{r} 15 \overline{) 2718} 181 \\ \underline{-15} \\ 121 \\ \underline{-120} \\ 18 \end{array}$$

(e) $162.5 \div 5$

$$\begin{array}{r} 5 \overline{) 1625} 325 \\ \underline{-15} \\ 012 \\ \underline{-10} \\ 025 \\ \underline{-25} \\ 00 \end{array}$$

Ans $\Rightarrow 32.5$

(f) $3078 \div 9$

$$\begin{array}{r} 9 \overline{) 3078} 342 \\ \underline{-27} \\ 037 \\ \underline{-36} \\ 018 \\ \underline{-18} \\ 00 \end{array}$$

Ans $\Rightarrow 342$

(g) $985.92 \div 8$

$$\begin{array}{r} 8 \overline{) 98592} 12324 \\ \underline{-8} \\ 18 \\ \underline{-16} \\ 025 \\ \underline{-24} \\ 019 \\ \underline{-16} \\ 032 \\ \underline{-32} \\ 00 \end{array}$$

Ans $\Rightarrow 12324$

(h) $299.88 \div 14$

$$\begin{array}{r} 14 \overline{) 29988} 2142 \\ \underline{-28} \\ 019 \\ \underline{-14} \\ 058 \\ \underline{-56} \\ 028 \\ \underline{-28} \\ 00 \end{array}$$

Ans $\Rightarrow 2142$



Q1) Evaluate:

(a) $16.50 \div 132$

$$\begin{array}{r} 132 \overline{) 16.50} \quad (0.125) \\ -0 \\ \hline 165 \\ -132 \\ \hline 0330 \\ -264 \\ \hline 0660 \\ -560 \\ \hline 000 \end{array}$$

Ans $\Rightarrow 0.125$

(b) $35.28 \div 245$

$$\begin{array}{r} 245 \overline{) 35.28} \quad (0.144) \\ -0 \\ \hline 352 \\ -245 \\ \hline 1078 \\ -980 \\ \hline 00980 \\ -980 \\ \hline 000 \end{array}$$

Ans $\Rightarrow 0.144$

(c) $0.810 \div 36$

$$\begin{array}{r} 36 \overline{) 0.810} \quad (0.0225) \\ -0 \\ \hline 081 \\ -72 \\ \hline 90 \\ -72 \\ \hline 180 \\ -180 \\ \hline 000 \end{array}$$

Ans $\Rightarrow 0.0225$

(d) $888.36 \div 48$

$$\begin{array}{r} 48 \overline{) 888.36} \quad (18.575) \\ -48 \\ \hline 408 \\ -384 \\ \hline 0243 \\ -240 \\ \hline 00360 \\ -336 \\ \hline 0240 \\ -240 \\ \hline 000 \end{array}$$

Ans $\Rightarrow 18.575$

(e) $327.6 \div 312$

$$\begin{array}{r} 312 \overline{) 327.6} \quad (1.05) \\ -312 \\ \hline 01560 \\ -1560 \\ \hline 0000 \end{array}$$

Ans $\Rightarrow 1.05$

(f) $478.4 \div 416$

$$\begin{array}{r} 416 \overline{) 478.4} \quad (1.15) \\ -416 \\ \hline 0624 \\ -416 \\ \hline 2080 \\ -2080 \\ \hline 0000 \end{array}$$

Ans $\Rightarrow 1.15$

(g) $12.18 \div 28$

$$\begin{array}{r} 28 \overline{) 12.18} \quad (0.435) \\ -0 \\ \hline 121 \\ -112 \\ \hline 0098 \\ -84 \\ \hline 140 \\ -140 \\ \hline 000 \end{array}$$

Ans $\Rightarrow 0.435$

(h) $0.6526 \div 52$

$$\begin{array}{r} 52 \overline{) 0.6526} \quad (0.01255) \\ -0 \\ \hline 065 \\ -52 \\ \hline 132 \\ -104 \\ \hline 0286 \\ -260 \\ \hline 0260 \\ -260 \\ \hline 000 \end{array}$$

Ans $\Rightarrow 0.01255$

Q2) Solve:

(a) $5.502 \div 1.31$

$$\begin{array}{r} \Rightarrow \frac{5.502}{1.310} \\ \Rightarrow \frac{5502}{1310} \end{array}$$

Ans $\Rightarrow 4.2$

(b) $939.9 \div 0.241$

$$\begin{array}{r} \Rightarrow \frac{939.900}{0.241} \\ \Rightarrow \frac{939900}{241} \end{array}$$

Ans $\Rightarrow 3900$



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$$\Rightarrow 24624 \div 216$$

$$\Rightarrow \begin{array}{r} 24624 \\ 21600 \\ \hline \end{array}$$

$$\Rightarrow \begin{array}{r} 24624 \\ 21600 \\ \hline \end{array}$$

$$\begin{array}{r} 21600 \overline{) 24624} \quad 1.24 \\ -21600 \\ \hline 030240 \\ -21600 \\ \hline 086400 \\ -086400 \\ \hline 0 \end{array}$$

Ans: 1.24

$$\Rightarrow 162668 \div 0.11$$

$$\Rightarrow \begin{array}{r} 162668 \\ 0.110 \\ \hline \end{array}$$

$$\Rightarrow \begin{array}{r} 162668 \\ 110 \\ \hline \end{array}$$

$$\begin{array}{r} 110 \overline{) 162668} \quad 1479.7 \\ -110 \\ \hline 0526 \\ -440 \\ \hline 0866 \\ -880 \\ \hline 0868 \\ -880 \\ \hline 0880 \\ -880 \\ \hline 0 \end{array}$$

Ans: 1479.7

$$e) 30.13 \div 1.31$$

$$\Rightarrow \begin{array}{r} 30.13 \\ 1.31 \\ \hline \end{array}$$

$$\Rightarrow \begin{array}{r} 30.13 \\ 1.31 \\ \hline \end{array}$$

$$\Rightarrow 23$$

$$f) 273.46 \div 0.242$$

$$\Rightarrow \begin{array}{r} 273.460 \\ 0.242 \\ \hline \end{array}$$

$$\begin{array}{r} 242 \overline{) 273460} \quad 1130 \\ -242 \\ \hline 0314 \\ -242 \\ \hline 726 \\ -726 \\ \hline 0000 \end{array}$$

Ans: 1130

$$g) 1.0971 \div 0.069$$

$$\Rightarrow \begin{array}{r} 1.09710 \\ 0.069 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \overline{) 109710} \quad 1590 \\ -69 \\ \hline 0407 \\ -345 \\ \hline 0621 \\ -621 \\ \hline 0000 \end{array}$$

$$h) 6.206 \div 10.7$$

$$\Rightarrow \begin{array}{r} 6.206 \\ 10.700 \\ \hline \end{array}$$

$$\begin{array}{r} 10700 \overline{) 62060} \quad 0.58 \\ -53500 \\ \hline 085600 \\ -85600 \\ \hline 0 \end{array}$$

Ans: 0.58

Q4 Evaluate:

(a) $18.018 \div 3.9$

$$\begin{array}{r} 18.018 \\ 3.9 \overline{) } \end{array}$$

$$\begin{array}{r} 18.018 \\ 3.9 \overline{) } \end{array}$$

$$\begin{array}{r} 3900 \overline{) 18018} \quad (4.62) \\ -15600 \\ \hline 024180 \\ -23400 \\ \hline 007800 \\ -7800 \\ \hline 0000 \end{array}$$

(b) $17.435 \div 2.75$

$$\begin{array}{r} 17.435 \\ 2.75 \overline{) } \end{array}$$

$$\begin{array}{r} 17.435 \\ 2.75 \overline{) } \end{array}$$

$$\begin{array}{r} 2750 \overline{) 17435} \quad (6.34) \\ -16500 \\ \hline 009350 \\ -8250 \\ \hline 11000 \\ -77000 \\ \hline 00000 \end{array}$$

(c) $0.00045 \div 0.25$

$$\begin{array}{r} 0.00045 \\ 0.25 \overline{) } \end{array}$$

$$\begin{array}{r} 15 \\ 25000 \overline{) } \quad 25000 \overline{) 15} \quad (0.0006) \\ -0 \\ \hline 150000 \\ -150000 \\ \hline 000000 \end{array}$$

(d) $0.0672 \div 0.21$

$$\begin{array}{r} 0.0672 \\ 0.21 \overline{) } \end{array}$$

$$\begin{array}{r} 672 \\ 2100 \overline{) } \quad 2100 \overline{) 6720} \quad (0.32) \\ -0 \\ \hline 6720 \\ -6300 \\ \hline 04200 \\ -4200 \\ \hline 0000 \end{array}$$

$$\begin{array}{r} 2100 \overline{) 6720} \quad (0.32) \\ -0 \\ \hline 6720 \\ -6300 \\ \hline 04200 \\ -4200 \\ \hline 0000 \end{array}$$



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(a) $59.225 \div 5.15$

$$\begin{array}{r} 59.225 \\ 5.150 \end{array}$$

$$\begin{array}{r} 59.225 \\ 5.150 \end{array}$$

$$\begin{array}{r} 5.150 \overline{) 59.225} \quad 11.5 \\ -5.150 \\ \hline 0.7725 \\ -5.150 \\ \hline 2.5750 \\ -2.5750 \\ \hline 0.0000 \end{array}$$

(b) $61.56 \div 6.48$

$$\begin{array}{r} 61.56 \\ 6.48 \end{array}$$

$$\begin{array}{r} 61.56 \\ 6.48 \end{array}$$

$$\begin{array}{r} 6.48 \overline{) 61.56} \quad 9.5 \\ -5832 \\ \hline 0.3240 \\ -3240 \\ \hline 0.0000 \end{array}$$

(c) $0.00595 \div 0.017$

$$\begin{array}{r} 0.00595 \\ 0.01700 \\ \hline 595 \\ 1700 \end{array}$$

$$\begin{array}{r} 1700 \overline{) 59500.35} \\ -5100 \\ \hline 08500 \\ -8500 \\ \hline 0000 \end{array}$$

(d) $0.1023 \div 0.33$

$$\begin{array}{r} 0.1023 \\ 0.3300 \end{array}$$

$$\begin{array}{r} 1023 \\ 3300 \end{array}$$

$$\begin{array}{r} 3300 \overline{) 10230} \quad 0.31 \\ -0 \\ \hline 10230 \\ -9900 \\ \hline 003300 \\ -3300 \\ \hline 0.0000 \end{array}$$

Ans solve:

(a) $0.0098 \div 10$

$$\Rightarrow \frac{0.0098}{10}$$

$$\Rightarrow 0.00098$$

$$\begin{array}{r} 10 \overline{) 0.0098} \quad 0.00 \\ -0 \\ \hline 00098 \end{array}$$

$$(b) 3765 \div 25 \quad 0.0007676 \div 100$$

$$\begin{array}{r} 0.000007676 \\ 100 \end{array}$$

$$\text{Ans} \Rightarrow 0.000007676$$

$$(c) 5.763 \div 1000$$

$$\begin{array}{r} 0.005763 \\ 1000 \end{array}$$

$$\text{Ans} \Rightarrow 0.005763$$

$$(d) 8.345 \div 100$$

$$\begin{array}{r} 0.08345 \\ 100 \end{array}$$

$$\text{Ans} \Rightarrow 0.08345$$

$$(e) 12.785 \div 100$$

$$\begin{array}{r} 0.12785 \\ 100 \end{array}$$

$$\text{Ans} \Rightarrow 0.12785$$

Q6 Evaluate :

$$(a) 12.45 \div 20$$

$$(d) 12.345 \div 10000$$

$$\begin{array}{r} 0.0012345 \\ 10000 \end{array}$$

$$\text{Ans} \Rightarrow 0.0012345$$

$$(f) 0.0345 \div 1000$$

$$\begin{array}{r} 0.0000345 \\ 1000 \end{array}$$

$$\text{Ans} \Rightarrow 0.0000345$$

$$(h) 12458.20 \div 1000$$

$$\begin{array}{r} 12.45820 \\ 1000 \end{array}$$

$$\text{Ans} \Rightarrow 12.45820$$

$$\Rightarrow \frac{12.45}{20}$$

$$\Rightarrow \frac{1245}{2000}$$

$$\Rightarrow \frac{1245}{2 \times 1000}$$

$$\Rightarrow \frac{1245}{2} \times \frac{1}{1000}$$

$$\Rightarrow 622.5 \times \frac{1}{1000}$$

$$\text{Ans} \Rightarrow 0.6225$$

$$(b) 3765 \div 25$$

$$\Rightarrow \frac{3765}{25000}$$

$$\Rightarrow \frac{3765}{25000}$$

$$\Rightarrow \frac{3765}{25 \times 1000}$$

$$\Rightarrow \frac{3765}{25} \times \frac{1}{1000}$$

$$\Rightarrow 150.6 \times \frac{1}{1000}$$

$$\text{Ans} \Rightarrow 0.1506$$

$$(c) 6452 \div 40$$

$$\Rightarrow \frac{6452}{40000}$$

$$\Rightarrow \frac{6452}{40000}$$

$$\Rightarrow \frac{6452}{4 \times 10000}$$

$$\Rightarrow \frac{6452}{4} \times \frac{1}{10000}$$

$$\Rightarrow 1613 \times \frac{1}{10000}$$

$$\text{Ans} \Rightarrow 0.1613$$

$$(d) 136725 \div 75$$

$$\Rightarrow \frac{136725}{750000}$$

$$\Rightarrow \frac{136725}{750000}$$

$$\Rightarrow \frac{136725}{75 \times 10000}$$

$$\Rightarrow \frac{136725}{75} \times \frac{1}{10000}$$

$$\Rightarrow 1823 \times \frac{1}{10000}$$

$$\text{Ans} \Rightarrow 0.1823$$



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(8) $24.55 \div 20$

$$\Rightarrow \frac{2455}{2000}$$

$$\Rightarrow \frac{2455}{2000}$$

$$\Rightarrow \frac{2455}{2 \times 1000}$$

$$\Rightarrow \frac{2455}{2} \times \frac{1}{1000}$$

$$\Rightarrow 1227.5 \times \frac{1}{1000}$$

Ans $\Rightarrow 0.12275$

(9) $15.848 \div 40$

$$\Rightarrow \frac{15848}{40000}$$

$$\Rightarrow \frac{15848}{40000}$$

$$\Rightarrow \frac{15848}{4 \times 10000}$$

$$\Rightarrow \frac{15848}{4} \times \frac{1}{10000}$$

$$\Rightarrow 3962 \times \frac{1}{10000}$$

Ans $\Rightarrow 0.3962$

(11) $5.75 \div 25$

$$\Rightarrow \frac{5.75}{2500}$$

$$\Rightarrow \frac{575}{2500}$$

$$\Rightarrow \frac{575}{25 \times 100}$$

$$\Rightarrow \frac{575}{25} \times \frac{1}{100}$$

$$\Rightarrow 23 \times \frac{1}{100}$$

Ans $\Rightarrow 0.23$

(12) $16.848 \div 60$

$$\Rightarrow \frac{16848}{60000}$$

$$\Rightarrow \frac{16848}{60000}$$

$$\Rightarrow \frac{16848}{6 \times 10000}$$

$$\Rightarrow \frac{16848}{6} \times \frac{1}{10000}$$

$$\Rightarrow 2808 \times \frac{1}{10000}$$

Ans $\Rightarrow 0.2808$

Q.7

The product of two numbers is 13.3194. If one of the numbers is 5.62, find the other number.

The product of two numbers $\Rightarrow 13.3194$

If one number $\Rightarrow 5.62$

Other number $\Rightarrow 13.3194 \div 5.62$

$$\Rightarrow \frac{133194}{56200}$$

$$\Rightarrow \frac{133194}{56200}$$

$$\Rightarrow \frac{133194}{562 \times 100}$$

$$\Rightarrow \frac{133194}{562} \times \frac{1}{100}$$

$$\Rightarrow 237$$

$$\Rightarrow 237 \times \frac{1}{100}$$

Ans $\Rightarrow$ The number is 2.37

Q.8 The area of a rectangle is 194.04 sq. cm. If the length of the rectangle is 14.7 cm, find its breadth.



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Area of rectangle $\Rightarrow 194.04 \text{ sq. cm}$

Length $\Rightarrow 14.7 \text{ cm}$

Breadth $\Rightarrow \text{Area} \div \text{Length}$
 $\Rightarrow 194.04 \div 14.7$
 $\Rightarrow 13.2$

Ans Breadth $\Rightarrow 13.2$

Q.3 Rama buys 14.8 kg wheat for ₹ 947.20.
Find the price of 1 kg of wheat.

Rama buys 14.8 kg wheat $\Rightarrow ₹ 947.20$

The cost of 1 kg wheat $\Rightarrow ₹ 947.20 \div 14.8$

$$\Rightarrow \frac{947.20}{14.8}$$

$$\Rightarrow \frac{94720}{1480}$$

Ans $\Rightarrow ₹ 64$

~~Defn 1~~

Exercise 3.3

Q.3 Evaluate:

(a) $14.7 + 0.84 \div 0.3 - 2.4 \times 1.2 + 15.8$

$$\Rightarrow 14.7 + 84 \div 30 - 2.4 \times 1.2 + 15.8$$

$$\Rightarrow 14.7 + 2.8 - 2.4 \times 1.2 + 15.8$$

$$\Rightarrow 14.7 + 2.8 - 2.88 + 15.8$$

$$\Rightarrow 17.5 - 2.88 + 15.8$$

$$\Rightarrow 17.5 + 15.8 - 2.88$$

$$\Rightarrow 33.3 - 2.88$$

Ans $\Rightarrow 30.42$

(b) $35.9 - 2.1 \times 0.9 + 17.2 \div 0.4 - 0.4$

$$\Rightarrow 35.9 - 2.1 \times 0.9 + 17.2 \div 0.4 - 0.4$$

$$\Rightarrow 35.9 - 2.1 \times 0.9 + 172 \div 4 - 0.4$$

$$\Rightarrow 35.9 - 2.1 \times 0.9 + 43 - 0.4$$

$$\Rightarrow 35.9 - 1.89 + 43 - 0.4$$

$$\Rightarrow 35.9 + 43 - 1.89 - 0.4$$

$$\Rightarrow 78.9 - 1.89 - 0.4$$

$$\Rightarrow 77.01 - 0.4$$

Ans $\Rightarrow 76.61$

(c) $38.5 \div 0.007 - 2.4 [3 - (4.7 - 2.65)]$

$$\Rightarrow 38500 \div 7 - 2.4 [3 - (4.7 - 2.65)]$$

$$\Rightarrow 5500 - 2.4 [3 - (4.7 - 2.65)]$$

$$\Rightarrow 5500 - 2.4 [3 - (4.7 - 2.65)]$$

$$\Rightarrow$$

$$\Rightarrow$$



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$$6) 38.5 \div 0.007 - 2.4[3 - (4.7 - 2.65)]$$

$$\Rightarrow 38.5 \div 0.007 - 2.4[3 - 2.05]$$

$$\Rightarrow 38.5 \div 0.007 - 2.4 \times 0.95$$

$$\Rightarrow 38.5 \div 0.007 - 2.4 \times 0.95$$

$$\Rightarrow 38.5 \div 0.007 - 2.280$$

$$\Rightarrow 38500 \div 7 - 2.280$$

$$\Rightarrow 5500 - 2.280$$

$$\text{Ans} \Rightarrow 5497.72$$

$$7) 32.5 + 12.43 \times 0.2 + 16.6 \div 0.02 - 4.07$$

$$\Rightarrow 32.5 + 12.43 \times 0.2 + 16.6 \div 0.02 - 4.07$$

$$\Rightarrow 32.5 + 12.43 \times 0.2 + 1660 \div 2 - 4.07$$

$$\Rightarrow 32.5 + 12.43 \times 0.2 + 830 - 4.07$$

$$\Rightarrow 32.5 + 2.486 + 830 - 4.07$$

$$\Rightarrow 34.986 + 830 - 4.07$$

$$\Rightarrow 864.986 - 4.07$$

$$\text{Ans} \Rightarrow 860.916$$

Q.4 A mixed carton.

$$\text{Apple} : \text{Pineapple} = 4:9$$

$$4.8 \text{ d.} : \text{Pineapple} = 4:9$$

Product of mean = Product of extreme

$$\text{Pineapple} \times 4 = 4.8 \times 9$$

$$\text{Pineapple} = \frac{4.8 \times 9}{4}$$

$$\text{Pineapple} = \frac{43.2}{4}$$

$$\text{Pineapple} = 10.8$$

Total amount of juice in a carton = Apple + Pineapple
 $= 4.8 + 10.8$
 $\text{Ans} = 15.6 \text{ d.}$

Q.5 Tara _____ with?

$$\text{Tara buys 8 pens} = \text{₹ } 6.28$$

$$\text{Cost of each pens} = \text{₹ } 8$$

$$= 6.28 \times 8$$

$$\text{Tara buys 8 pens} = \text{₹ } 6.28$$

$$\text{Cost of each pens} = \text{₹ } 8$$

$$= 6.28 \times 8$$

$$= \text{₹ } 50$$

$$\text{Price of each n/b} = \text{₹ } 9.75$$

$$\text{No. of n/b Tara has} = x$$

$$\text{Total cost of n/b} = 126.75$$

$$9.75 \times x = 126.75$$

$$x = \frac{126.75}{9.75}$$

$$= \frac{126.75}{9.75}$$

$$= 13$$

$$x = 13 \text{ notebook}$$

Total money she is buying pens & n/b

$$= 50 + 126.75$$

$$= 176.75$$



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$$6) 38.5 \div 0.007 - 2.4[3 - 2.05]$$

$$\Rightarrow 38.5 \div 0.007 - 2.4[3 - 2.05]$$

$$\Rightarrow 38.5 \div 0.007 - 2.4 \times 0.95$$

$$\Rightarrow 38.5 \div 0.007 - 2.4 \times 0.95$$

$$\Rightarrow 38.5 \div 0.007 - 2.280$$

$$\Rightarrow 38500 \div 7 - 2.280$$

$$\Rightarrow 5500 - 2.280$$

$$\text{Ans} \Rightarrow 5497.72$$

$$(d) 32.5 + 12.43 \times 0.2 + 16.6 \div 0.02 - 4.07$$

$$\Rightarrow 32.5 + 12.43 \times 0.2 + 16.6 \div 0.02 - 4.07$$

$$\Rightarrow 32.5 + 12.43 \times 0.2 + 1660 \div 2 - 4.07$$

$$\Rightarrow 32.5 + 12.43 \times 0.2 + 830 - 4.07$$

$$\Rightarrow 32.5 + 2.486 + 830 - 4.07$$

$$\Rightarrow 34.986 + 830 - 4.07$$

$$\Rightarrow 864.986 - 4.07$$

$$\text{Ans} \Rightarrow 860.916$$

Q.4 A mixed _____ carton.

$$\text{Apple} : \text{Pineapple} = 4:9$$

$$4.8 \text{ L} : \text{Pineapple} = 4:9$$

Product of mean = Product of extreme

$$\text{Pineapple} \times 4 = 4.8 \times 9$$

$$\text{Pineapple} = \frac{4.8 \times 9}{4}$$

$$\text{Pineapple} = \frac{43.2}{4}$$

$$\text{Pineapple} = 10.8$$

Total amount of juice in a = Apple + Pineapple
carton = $4.8 + 10.8$
Ans = 15.6 L

Q.5 Tara _____ with?

$$\text{Tara buys 8 pens} = \text{₹ } 6.28$$

$$\text{Cost of each pens} = \text{₹ } 8$$

$$= 6.28 \times 8$$

$$\text{Tara buys 8 pens} = \text{₹ } 6.28$$

$$\text{Cost of each pens} = \text{₹ } 8$$

$$= 6.28 \times 8$$

$$= \text{₹ } 50$$

$$\text{Price of each n/b} = \text{₹ } 9.75$$

$$\text{No. of n/b Tara has} = x$$

$$\text{Total cost of n/b} = 126.75$$

$$9.75 \times x = 126.75$$

$$x = \frac{126.75}{9.75}$$

$$= \frac{126.75}{9.75}$$

$$= 13$$

$$x = 13 \text{ notebook}$$

Total money she is buying pens & n/b

$$= 50 + 126.75$$

$$= 176.75$$



Shot on Y83 Pro
vivo dual camera

Sec.

$$\begin{array}{r} \text{Money left with Rose} = 190.00 \\ -176.75 \\ \hline 013.25 \end{array}$$

Ans = ₹ 13.25

Q.2 divide 13.2 in the ratio 4:7

Let ratio = x
 $= 4x : 7x$

Sum of
ratio $= 4x + 7x$
 $= 11x$

$$\begin{array}{r} 11x = 13.2 \\ x = \frac{13.2}{11} \\ = 1.2 \end{array}$$

Part I $= 1.2 \times 4$
 $= 4.8$

Part II $= 1.2 \times 7$
 $= 8.4$

Ans