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PA-2

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ch-4 Division

* Warm-up exercise

Q-1 Divide and check your answer :-

$$\begin{array}{r}
 105 \\
 9 \overline{) 9532} \\
 \underline{-9} \downarrow \downarrow \\
 053 \\
 \underline{-45} \downarrow \\
 82 \\
 \underline{-81} \\
 1
 \end{array}$$

check = Dividend = Quotient $\times$ Divisor + Remainder

$$= 1059 \times 9 + 1$$

$$\begin{array}{r}
 58 \\
 1059 \\
 \times 9 \\
 \hline
 9531 \\
 + 1 \\
 \hline
 9532
 \end{array}$$

9532 = Dividend

$$\begin{array}{r}
 150 \\
 11 \overline{) 1652} \\
 \underline{-110} \\
 55 \\
 \underline{-55} \\
 02
 \end{array}$$

$$\begin{aligned}
 \text{check} &= Q \times D + R \\
 &= 150 \times 11 + 2
 \end{aligned}$$

$$\begin{array}{r}
 150 \\
 \times 11 \\
 \hline
 150 \\
 + 1500 \\
 \hline
 1650 \\
 + 1
 \end{array}$$

$$1651 = \text{Divisor}$$

$$\begin{array}{r}
 5596 \\
 14 \overline{) 78345} \\
 \underline{+70} \\
 83 \\
 \underline{-70} \\
 134 \\
 \underline{-126} \\
 885 \\
 \underline{-84} \\
 1
 \end{array}$$

$$\begin{aligned}
 \text{check} &= Q \times D + R \\
 &= 5596 \times 14 + 1
 \end{aligned}$$

$$\begin{array}{r}
 232 \\
 5596 \\
 \times 14 \\
 \hline
 22384 \\
 + 55960 \\
 \hline
 78344 \\
 + 1
 \end{array}$$

$$78345 = \text{Divisor}$$

$$\begin{array}{r}
 274 \\
 24 \overline{) 56890} \\
 \underline{-48} \downarrow \\
 179 \\
 \underline{-168} \downarrow \\
 110 \\
 \underline{-96} \\
 14 = R
 \end{array}$$

$$\begin{aligned}
 \underline{\text{check}} &= Q \times d + r \\
 &= 274 \times 24 + 14 \\
 &= 274
 \end{aligned}$$

$$\begin{array}{r}
 274 \\
 \times 24 \\
 \hline
 1096 \\
 + 5480 \\
 \hline
 6576 \\
 + 14 \\
 \hline
 6590 = \text{Divisor}
 \end{array}$$

$$\begin{array}{r}
 652 \\
 61 \overline{) 39804} \\
 \underline{+366} \downarrow \\
 30 \\
 320 \\
 \underline{-305} \downarrow \\
 254 \\
 \underline{-122} \\
 032
 \end{array}$$

$$\begin{aligned}
 \underline{\text{check}} &= Q \times d + r \\
 &= 652 \times 61 + 29
 \end{aligned}$$

$$\begin{array}{r}
 31 \\
 652 \\
 \times 61 \\
 \hline
 652 \\
 + 3912 \\
 \hline
 39804
 \end{array}$$

$$39804 = \text{dividend}$$

2
Q-3 Divide by 10, 100 and 1000

a. $1429 \div 10 = Q \underline{142} \quad R \quad 9$
 $1429 \div 100 = Q \underline{14} \quad R \quad 29$
 $1429 \div 1000 = Q \underline{1} \quad R \quad 429$

b. $34675 \div 10 = Q \underline{3467} \quad R \quad 5$
 $34675 \div 100 = Q \underline{346} \quad R \quad 75$
 $34675 \div 1000 = Q \underline{34} \quad R \quad 675$

c. $44444 \div 10 = Q \underline{4444} \quad R \quad 4$
 $44444 \div 100 = Q \underline{444} \quad R \quad 44$
 $44444 \div 1000 = Q \underline{44} \quad R \quad 444$

d. $10038 \div 10 = Q \underline{1003} \quad R \quad 8$
 $10038 \div 100 = Q \underline{100} \quad R \quad 38$
 $10038 \div 1000 = Q \underline{10} \quad R \quad 038$

Q-3 Find the $\underline{\quad\quad\quad} - 65$.

$$\begin{array}{r}
 1511 \\
 65 \overline{) 98218} \\
 \underline{- 65} \\
 332 \\
 \underline{+ 325} \\
 00821 \\
 \underline{- 65} \\
 68 \\
 \underline{- 65} \\
 03
 \end{array}$$

$\therefore$ The smallest no is 3.

Divide - - - - -

Q-4

Sol. Smallest 5-digit no. = 10,000
greatest 5-digit no. = 9999

$$\begin{array}{r} 1 \\ 9999 \overline{) 10,000} \\ \underline{- 9,999} \\ 00001 \end{array}$$

$$Q = 1$$

$$R = 1$$

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check point 4-A

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Q-1 Divide

$$\begin{array}{r} 2666 \\ 17 \overline{) 45326} \end{array}$$

$$\begin{array}{r} - 341 \\ \hline \end{array}$$

$$\begin{array}{r} 113 \\ \hline \end{array}$$

$$\begin{array}{r} - 102 \\ \hline \end{array}$$

$$\begin{array}{r} 112 \\ \hline \end{array}$$

$$\begin{array}{r} - 102 \\ \hline \end{array}$$

$$\begin{array}{r} 106 \\ \hline \end{array}$$

$$\begin{array}{r} - 102 \\ \hline \end{array}$$

$$\begin{array}{r} 004 \\ \hline \end{array}$$

$$Q = 2666$$

$$R = 004$$

$$\begin{array}{r} 12136 \\ 69 \overline{) 837425} \end{array}$$

$$\begin{array}{r} - 69 \\ \hline \end{array}$$

$$\begin{array}{r} 147 \\ \hline \end{array}$$

$$\begin{array}{r} - 138 \\ \hline \end{array}$$

$$\begin{array}{r} 0094 \\ \hline \end{array}$$

$$\begin{array}{r} - 69 \\ \hline \end{array}$$

$$\begin{array}{r} 252 \\ \hline \end{array}$$

$$\begin{array}{r} - 207 \\ \hline \end{array}$$

$$\begin{array}{r} 0455 \\ \hline \end{array}$$

$$\begin{array}{r} - 414 \\ \hline \end{array}$$

$$\begin{array}{r} 041 \\ \hline \end{array}$$

$$Q = 12136$$

$$R = 41$$

$$\begin{array}{r}
 1080 \\
 \hline
 \text{c. } 132 \overline{) 142567} \\
 \underline{-132} \downarrow \downarrow \\
 1056 \\
 \underline{-1056} \downarrow \\
 0000 \downarrow
 \end{array}$$

$$Q = 1080$$

$$R = 7$$

$$\begin{array}{r}
 42040 \\
 \hline
 \text{d. } 125 \overline{) 525525} \\
 \underline{-500} \downarrow \downarrow \\
 255 \\
 \underline{-250} \downarrow \downarrow \\
 525 \\
 \underline{-500} \downarrow \\
 25
 \end{array}$$

$$Q = 42040$$

$$R = 25$$

$$e. \quad \begin{array}{r} 12961 \\ 521 \overline{) 6752998} \end{array}$$

$$\begin{array}{r} - 521 \downarrow \end{array}$$

$$1542$$

$$\begin{array}{r} - 1042 \downarrow \end{array}$$

$$5009$$

$$\begin{array}{r} - 4689 \end{array}$$

$$3209$$

$$\begin{array}{r} - 3126 \downarrow \end{array}$$

$$008389$$

$$\begin{array}{r} - 55 \end{array}$$

$$\begin{array}{r} - 521 \end{array}$$

$$\underline{317}$$

$$Q = 12961$$

$$R = \underline{317}$$

f. $8721615 \div 703$

$$\begin{array}{r} 12406 \\ 703 \overline{) 8721615} \\ \underline{-703} \downarrow \\ 1691 \\ \underline{-1406} \downarrow \\ 2856 \\ \underline{-2818} \downarrow \downarrow \\ 4415 \\ -4218 \\ \hline 197 \end{array}$$

$$Q = 12407$$

$$R = 197$$

9. $4265795 \div 1111$

$$\begin{array}{r}
 3839 \\
 111 \overline{) 4265795} \\
 \underline{3333} \\
 09327 \\
 \underline{- 8888} \\
 44399 \\
 \underline{- 3333} \\
 10665 \\
 \underline{- 9999} \\
 0666
 \end{array}$$

$Q = 3839$

$R = \underline{666}$

$$h_o \quad \underline{958.3256 \div 125}$$

$$\begin{array}{r}
 \underline{76666} \\
 125 \overline{) 9583256} \\
 \underline{878} \downarrow \\
 0833 \downarrow \\
 \underline{- 750} \downarrow \\
 8255 \downarrow \\
 \underline{- 750} \\
 0756 \\
 \underline{- 750} \\
 006
 \end{array}$$

$$Q = 76666$$

$$R = \underline{6}$$

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i. $1000000 \div 501$

$$\begin{array}{r}
 1996 \\
 501 \overline{) 1000000} \\
 \underline{499} \\
 501 \\
 \underline{4990} \\
 -4509 \\
 4810 \\
 -4509 \\
 30010 \\
 -3006 \\
 \hline
 0004
 \end{array}$$

$Q = 1996$

$R = 4$

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Q.2

Divide and check your answer.

a. ~~100~~ $931005 \div 403$ | b. $8311391 \div 1392$

a. $931005 \div 403$

$$\begin{array}{r}
 231 \\
 403 \overline{) 931005} \\
 \underline{-806} \\
 1250 \\
 \underline{-1209} \\
 4010 \\
 \underline{-403} \\
 0075
 \end{array}$$

$$\begin{array}{r}
 \text{check - } 2310 \\
 \times 403 \\
 \hline
 \textcircled{1} 6930 \\
 0000x \\
 + 9240xx \\
 \hline
 930030 \\
 + 75 \\
 \hline
 930005
 \end{array}$$

$$\begin{aligned}
 \text{check - dividend} &= Q \times d + R \\
 &= 2310 \times 403 + 75 \\
 &= \cancel{930030} + 75 = 931005
 \end{aligned}$$

$$b. 8311391 \div 1392$$

$$\begin{array}{r} 5970 \\ \Rightarrow 1392 \overline{) 8311391} \\ \underline{- 6960} \\ 13513 \\ \underline{- 12528} \\ 009859 \\ \underline{- 9744} \\ 01151 \end{array}$$

$$\begin{aligned} \text{check - dividend} &= Q \times d + R \\ &= 5970 \times 1392 + 1151 \\ &= \begin{array}{r} 2 \\ 8 \\ 11 \end{array} \end{aligned}$$

$$\begin{array}{r} 5970 \\ \times 1392 \\ \hline 11940 \\ 53730 \\ 17910 \\ + 5970 \\ \hline 8310240 \\ + 1151 \\ \hline 8311391 \end{array}$$

c. $5388872 \div 2411$

check - dividend $= Q \times d + R$
 $= 2235 \times 2411 + 287$

$$53\ 88872 \mid = \text{divisor}$$

d. $1000000 \div 472$

$$\begin{array}{r} 2118 \\ \Rightarrow 472 \overline{) 1000000} \\ \underline{-944} \\ 560 \\ \underline{-472} \\ 880 \\ \underline{-472} \\ \cancel{880} \\ \underline{-472} \\ 880 \\ \underline{-472} \\ 408 \\ \underline{-376} \\ 32 \end{array}$$

$$\text{check - dividend} = Q \times d + r$$

$$= 2118 \times 472 + 306$$

[illegible]

e. $9999999 \div 1111$

$$\begin{array}{r} 9000 \quad = Q \\ 1111 \overline{) 9999999} \\ \underline{9999} \downarrow \downarrow \downarrow \\ 0000999 = R \end{array}$$

check - dividend = ~~$D \times Q$~~ + R

$$\begin{aligned} &= 9000 \times 1111 + 999 \\ &= 9999000 + 999 \\ &= 9999999 \end{aligned}$$

Checkpoint 4-B

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3-

Q-1 Write ----- division.

a. $1580 \div 10 = Q \underline{158} \quad R \underline{0}$

b. $16932 \div 100 = Q \underline{169} \quad R \underline{32}$

c. $1001001 \div 100 = Q \underline{10010} \quad R \underline{01}$

d. $1563286 \div 1000 = Q \underline{1563} \quad R \underline{286}$

e. $1000001 \div 1000 = Q \underline{1000} \quad R \underline{001}$

f. $59837426 \div 10000 = Q \underline{5983} \quad R \underline{7426}$

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Q-2 Divide the following and check your answer.

a. $589632 \div 10$

$$\begin{array}{r}
 58963 \\
 10 \overline{) 589632} \\
 \underline{-50} \\
 89 \\
 \underline{-80} \\
 96 \\
 \underline{-90} \\
 63 \\
 \underline{-60} \\
 32 \\
 \underline{-30} \\
 2
 \end{array}$$

check $D \times Q + R$
 $= 10 \times 58963 + 2$
 $= 589632$

$$\begin{array}{r}
 58963 \\
 \times 10 \\
 \hline
 00000 \\
 + 589630 \\
 \hline
 589630 \\
 + 2 \\
 \hline
 589632
 \end{array}$$

b. $789341 \div 100$

$$\begin{array}{r} 7893 \\ 100 \overline{) 789341} \\ \underline{7000} \\ 893 \\ \underline{-800} \\ 934 \\ \underline{-900} \\ 341 \\ \underline{-300} \\ 41 \end{array}$$

check $= D \times Q + R$
 $= 100 \times 7893 + 41$
 $= 789300 + 41$
 $= 789341$

$$c. 8883469 \div 1000$$

$$= Q \underline{8883} \quad R \underline{469}$$

$$\text{check} - D \times Q + R$$

$$= 8 \times 1000 \times 8883 + 469$$

$$= 8883000 + 469$$

$$= 8883469$$

$$d. 45932158 \div 10000$$

$$= Q \underline{4593} \quad R \underline{2158}$$

$$\text{check} = D \times Q + R$$

$$= 10000 \times 4593 + 2158$$

$$= 45930000 + 2158$$

$$= 45932158$$

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checkpoint 4C

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1. at grocery ----- per kg.

$\Rightarrow$ Cost of 1895 kg rice is = ₹ 53,060
Cost of 1 kg of rice is = $53060 \div 1895$

$$\begin{array}{r} 28 \\ 1895 \overline{) 53060} \\ \underline{- 3790} \downarrow \\ 15160 \\ \underline{- 15160} \\ X \end{array}$$

Ans. ₹ 28 is rate of 1 kg rice.

2. If cord - - - - - m length?

$\Rightarrow$ Total length of cord = 3,50,750 m
 length of 1 roll = 115 m
 No. of rolls = $3,50,750 \div 115$

$$\begin{array}{r}
 3050 \\
 115 \overline{) 3,50,750} \\
 \underline{- 345} \downarrow \downarrow \\
 00575 \\
 \underline{575} \downarrow \\
 0000
 \end{array}$$

Ans 3050 rolls will make in all.

3. A 4. axle

Same
locks?

$\Rightarrow$ weight of 1023 ^{leaves} ~~leaves~~ ~~are~~ = 24552 kg
weight of 1 ~~leaf~~ ^{leaf} is = $24552 \div 1023$

$$\begin{array}{r} 24 \\ 1023 \overline{) 24552} \\ \underline{- 20460} \\ 4092 \\ \underline{- 4062} \\ 30 \end{array}$$

~~Ans~~ Weight of 1 ~~leaf~~ ^{leaf} is 24 kg.

4. One - - - - - Sacks ?

$\Rightarrow$ total number of sacks = 5,63,400
 sacks in 1 truck = 450

No. of Sacks truck needed = $563400 \div 450$

$$\begin{array}{r}
 1252 \\
 450 \overline{) 563400} \\
 \underline{- 450} \downarrow \\
 1134 \downarrow \\
 \underline{- 0900} \downarrow \\
 2340 \downarrow \\
 \underline{- 2250} \downarrow \\
 900 \downarrow \\
 \underline{- 900} \\
 0
 \end{array}$$

Ans 1252 trucks needed for all.

Q:5 One lakh..... How many?

Sol Total no. of students = 1,60,200
Total no. of centre = 356

No. of students appeared at 1 centre?

$$\begin{array}{r}
 450 \\
 356 \overline{) 160200} \\
 \underline{- 14240} \\
 1780 \\
 \underline{- 1780} \\
 \times 0
 \end{array}$$

Ans 450 students appeared of 1 centre.

Q:6 The Product..... number?

Sol The Product of two ~~hundred~~ numbers = 22,26,048
One number is = 1122
Other number = $22,26,048 \div 1122$

1984

$$1122 \overline{) 2226048}$$

$$- 1122 \downarrow$$

$$11040$$

$$- 10098 \downarrow$$

$$009424$$

$$- 8976 \downarrow$$

$$4488$$

$$- 4488$$

X

Ans. 1984 is other no.

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Q-7 A factory - - - - - packet ?

$\Rightarrow$ Total pearls produced = 2,48,790
Total packets = 8293
No. of pearls in 1 pack = ?

$$\begin{array}{r} 30 \\ 8293 \overline{) 248790} \\ \underline{- 24879} \downarrow \\ \times 0 \end{array}$$

No. of pearls in 1 packet = 30
Weight of 1 packet = $30 \times 1.5 \text{ g}$
 $= 45 \text{ g}$

Ans. Weight of 1 packet is 45 g.

checkpoint 4-D

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Q-1. Estimate the sum and diff.

a. $12346 \rightarrow 10000$
 $+ 43872 \rightarrow +40000$
50000

b. $21678 \rightarrow 20000$
 $- 53120 \rightarrow +50000$
70000

c. $732543 \rightarrow 700000$
 $+ 411198 \rightarrow +400000$
1100000

d. $53210 \rightarrow 50000$
 $- 42222 \rightarrow -40000$
10000

$$\begin{array}{r}
 \text{e. } 95324 \rightarrow 100000 \\
 - 84396 \rightarrow - 80000 \\
 \hline
 20000
 \end{array}$$

$$\begin{array}{r}
 \text{f. } 732543 \rightarrow 700000 \\
 - 411198 \rightarrow - 400000 \\
 \hline
 300000
 \end{array}$$

Q-2 Estimate - - - - -

$$\begin{array}{r}
 \text{a. } 33875 \times 65 \\
 \downarrow \quad \downarrow \\
 = 30000 \times 70 \\
 = 21,00,000
 \end{array}$$

$$\begin{array}{r}
 \text{b. } 78451 \times 54 \\
 \downarrow \\
 = 80000 \times 50 \\
 = 40,00,000
 \end{array}$$

$$\begin{array}{r}
 \text{c. } 5553 \times 491 \\
 \downarrow \quad \downarrow \\
 = 6000 \times 500 \\
 = 30,00,000
 \end{array}$$

$$\begin{array}{r}
 \text{d. } 27534 \times 121 \\
 \downarrow \quad \downarrow \\
 = 30000 \times 100 \\
 = 30,00,000
 \end{array}$$

$$\begin{aligned}
 & \text{e. } 7511 \times 532 \\
 & \quad \downarrow \quad \quad \downarrow \\
 & = 80000 \times 500 \\
 & = 40,000,000
 \end{aligned}$$

Q-3 Estimate the Quotient.

$$\begin{aligned}
 & \text{a. } 2658 \div 27 \\
 & \quad \downarrow \quad \quad \downarrow \\
 & = 3000 \div 30 \\
 & = 100
 \end{aligned}$$

$$\begin{aligned}
 & \text{b. } 76221 \div 256 \\
 & \quad \downarrow \quad \quad \downarrow \\
 & = 80000 \div 300 \\
 & = 266
 \end{aligned}$$

$$\begin{aligned}
 & \text{c. } 741421 \div 342 \\
 & \quad \downarrow \quad \quad \downarrow \\
 & = 70000 \div 300 \\
 & = 233
 \end{aligned}$$

$$\begin{array}{r}
 233 \\
 3 \overline{) 700}
 \end{array}$$

$$\begin{array}{r}
 - 6 \downarrow \\
 100 \\
 \hline
 100 \\
 - 9 \downarrow \\
 10 \\
 \hline
 10 \\
 - 9 \downarrow \\
 1
 \end{array}$$

$$\begin{array}{r}
 266 \\
 38 \overline{) 800} \\
 - 6 \downarrow \\
 200 \\
 - 18 \downarrow \\
 20 \\
 - 18 \downarrow \\
 2
 \end{array}$$

d. $\textcircled{2}56311 \div \textcircled{5}78$

$\downarrow \qquad \qquad \downarrow$
 $= 3000\cancel{00} \div 60\cancel{0}$
 $= \cancel{2000} 500$

$$\begin{array}{r} 500 \\ 6 \overline{) 3000} \\ \underline{- 30} \\ 00 \end{array}$$

e. $\textcircled{6}78321 \div \textcircled{7}98$

$\downarrow \qquad \qquad \downarrow$
 $= 7000\cancel{00} \div 8\cancel{00}$
 $=$

$$\begin{array}{r} 875 \\ 8 \overline{) 7800} \\ \underline{- 64} \\ 140 \\ \underline{- 112} \\ 280 \\ \underline{- 236} \\ 440 \\ \underline{- 400} \\ 40 \\ \underline{- 40} \\ 0 \end{array}$$

Q.4. A refrigerator = 23 items.

$\Rightarrow$ Cost of refrigerator = ₹ 23,000

Cost of grinder = ₹ 2,400

Cost of tea maker = ~~₹ 55~~ ₹ 55

₹	23,000	23,000
₹	2,400	+ 2,400
₹	+ 1,000	+ 1,000
		26,500

Ans. ₹ 26,500 is the estimated cost for all.

Q-5 Estimate - - - - - 48870

$$\begin{array}{r} \Rightarrow \quad \textcircled{7}2,952 \rightarrow 70,000 \\ - \textcircled{4}2,670 \rightarrow -40,000 \\ \hline 30,000 \end{array}$$

Q-6 Airfare - - - - - plane.

$$\begin{aligned} \Rightarrow \text{airfare of one person} &= ₹ 3548 \\ \text{airfare for 249 person} &= 3548 \times 249 \end{aligned}$$

$$\begin{array}{r} \textcircled{3}548 \times \textcircled{2}49 \\ \downarrow \quad \quad \downarrow \\ = 4080 \times 250 \\ = 1,00,000 \end{array}$$

Ans. ₹ 1,00,000 is the estimated airfare for all.

Ans.

2-7 ₹ 30,140 - - - - - trip.

⇒ Total money collected = ₹ 30,410
 1 student paid = ₹ 1245

No. of students = $30,410 \div 1245$

$$\textcircled{30}, 410 \div 1245$$

$$\downarrow$$

$$= 30,000 \div 1200$$

$$\begin{array}{r} 25 \\ 12 \overline{) 300} \\ \underline{-24} \downarrow \\ 060 \\ \underline{-60} \\ \hline \times \end{array}$$

∴ about 25 student will go on trip.

Let us agree

Q71

Q-2

$$\geq$$

Total no. of shops = 49

No. of apples to 1 shop = ?

[illegible]

Ans.

₹ dealer - - - - - per litre.

⇒ Total money received = ₹ 1, 83, 090

Qty. of cooking oil = 2154 l.

Rate of oil per litre = ?

$$\begin{array}{r}
 85 \\
 2154 \overline{) 183090} \\
 \underline{- 172320} \\
 010770 \\
 \underline{- 10770} \\
 \hline
 X
 \end{array}$$

Ans. 85 litre of ₹ 85 is the rate of oil of per litre.

Q-5 A company - - - company ?

$\Rightarrow$ Value of 1 share = ₹ 185

Total money collection = ₹ 15,72,500

No. of people = $1572500 \div 185$

$$\begin{array}{r}
 8500 \\
 185 \overline{) 1572500} \\
 \underline{- 1480} \downarrow \\
 0925 \\
 \underline{- 925} \downarrow \\
 \underline{00}
 \end{array}$$

Ans. 8500 people invested in the company.

Q-6 lengths - - - - - halls

$$\Rightarrow \begin{aligned} \text{length of 1}^{\text{st}} \text{ hall} &= 2572 \text{ m} \rightarrow 2600 \text{ m} \\ \text{length of 2}^{\text{nd}} \text{ hall} &= 2930 \text{ m} \rightarrow 2900 \text{ m} \\ \text{Estimated length} &= 6500 \text{ m} \end{aligned}$$

Ans. Estimated length of both halls is 5500 m.

Q-7 The screen - - - - - questions

a. Rounded - - - - - lakh

$$\Rightarrow \text{Alpha's computer screen} = 1920 \times 1080 = 2073600$$

$$\begin{array}{r} 7 \downarrow \\ 192 \\ \times 108 \\ \hline \textcircled{1} 1536 \\ 000 \times \\ + 192 \times \times \\ \hline 20736 \end{array}$$

n.lakh
↓
21,00,000

b. Estimate - - - - - value . trip

$$\Rightarrow \text{Naisha's computer screen} = (3840 \times 2000) \\ \downarrow \quad \downarrow \\ = 4000 \times 2000 \\ = 8000000$$

Q-8 A company - - - - - company?

$$\Rightarrow \begin{aligned} \text{Total money spend} &= \text{₹ } 90,712 \\ \text{No. of trips} &= 17 \\ \text{Cost of 1 trip} &= 90712 \div 17 \end{aligned}$$

$$\begin{array}{r} 5336 \\ 17 \overline{) 90712} \\ \underline{- 85} \downarrow \\ 57 \\ \underline{- 51} \downarrow \\ 61 \\ \underline{- 51} \downarrow \\ 102 \\ \underline{- 102} \\ 0 \end{array}$$

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Rs 5336 spent for 1 trip.

* Points to be remembered

1. When a non-zero number is divided by itself, the quotient is 1. Example $\rightarrow 12 \div 12 = 1$
2. When a number is divided by 1, the quotient will be number itself. Example $\rightarrow 12 \div 1 = 12$
3. Division by 0 is not defined. Example $\rightarrow 12 \div 0 = \text{not defined}$
4. Zero divided by other no. the quotient will be 0.
5. $\text{Divide} = \text{divisor} \times \text{quotient} + \text{remainder}$

with 12/12