

2

chapter-2

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Operations on numbers.

Let's Recollect (Page no. 140)

Q. (1) Add the following -

(a) 13579 + 27645

	T.	Th	Th	H	T	O
	①	①	①	①		
	1	3	5	7	9	
+	2	7	6	4	5	
	4	1	2	2	4	

(b) 675152 + 132765

	L	T.	Th.	Th	H	T	O
		①				①	
	6	7	5	1	5	2	
+	1	3	2	7	6	5	
	8	0	7	9	1	7	

Q. (2) Subtract the following -

(a) 675174 - 372152

	L	T.	Th	Th	H	T	O
	6	7	5	1	7	4	
-	3	7	2	1	5	2	
	3	0	3	0	2	2	

(b) 245376 - 13247

	L	T.	Th	Th	H	T	O
							⑥ ①⑥
	2	4	5	3	7	6	
-				1	3	2	4
	2	3	2	1	2	9	

Q. (3) Multiply -

	Th	H	T	O
(a)	2	4	7	
	x	2	4	
	9	8	8	
+	4	9	4	x
	5	9	2	8

	H	T	O
(b)	9	7	
	x	3	
	2	9	1

	T.	Th	H	T	O
(c)	6	7	5	4	
	x	5			
	3	3	7	7	0

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(d) T T H T O

$$\begin{array}{r} 1324 \\ \times 14 \\ \hline 5296 \\ + 1324 \times \\ \hline 18536 \end{array}$$

Q(4) Divide -

(a) $3 \overline{) 5436} (1812$

$$\begin{array}{r} -3 \downarrow \\ 24 \\ -24 \downarrow \\ \times \times 3 \\ -3 \downarrow \\ \times 6 \\ -6 \\ \times \end{array}$$

Quotient = 1812
Remainder = 0

(b) $5 \overline{) 735} (147$

$$\begin{array}{r} -5 \downarrow \\ 23 \\ -20 \downarrow \\ 35 \\ -35 \\ \times \times \end{array}$$

Quotient = 147
Remainder = 0

Q(5) Estimate the sum and the difference.

(a) $12467 + 34523$

Rounding off to the nearest

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Thousands, we get

$$= 12000 + 35000$$

$$\text{Ans.} = \underline{47000}$$

$$(b) \quad 67543 - 15432$$

Rounding off to the nearest thousands we get,

$$= 68000 - 15000$$

$$\text{Ans.} = \underline{53000}$$

Practice Exercise 2.1

Q. (1) Find the sum.

$$(a) \quad 5,78,90,403 + 8,45,63,907$$

Tc	C	TL	L	T.Th	Th	H	T	O
	①	①	①		①		①	
	5	7	8	9	0	4	0	3
+	8	4	5	6	3	9	0	7
<hr/>								
	1	4	2	4	5	4	3	1
<hr/>								

$$(b) \quad 3,32,00,004 + 67,23,007$$

C	TL	L	T.Th	Th	H	T	O
						①	
	3	3	2	0	0	0	4
+		6	7	2	3	0	7
<hr/>							
	3	9	9	2	3	0	1
<hr/>							

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$$(c) 45,07,86,530 + 20,00,80,004$$

TC	C	TL	L	T-Th	Th	H	T	O
			①					
4	5	0	7	8	6	5	3	0
+ 2	0	0	0	8	0	0	0	4
6	5	0	8	6	6	5	3	4

$$(d) 78,04,123 + 21,13,678 + 1,40,03,005$$

C	TL	L	T-Th	Th	H	T	O
			①		①	①	
①	7	8	0	4	1	2	3
2	1	1	3	6	7	8	
+ 1	4	0	0	3	0	0	5
2	3	9	2	0	8	0	6

Q. (2) A company made a profit of ₹ 1,98,56,342 in the first year and ₹ 2,34,76,524 in the second year. How much total profit did the company make in the two years?

Answer:- Profit made by the company in the first year = ₹ 1,98,56,342

Profit made by the company in the second year = ₹ 2,34,76,524

Total profit made by the company

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in the two years =

₹ 1,98,56,342 + ₹ 2,34,76,524

	C	TL	L	T.Th	Th	H	T	O
	①	①	①	①				
	1	9	8	5	6	3	4	2
+	2	3	4	7	6	5	2	4
	<u>4</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>2</u>	<u>8</u>	<u>6</u>	<u>6</u>

Hence, the company made profit of ₹ 4,33,32,866 in the two years.

Q.(3) Rehaan bought a car for ₹ 45,23,600 and a flat for ₹ 12,32,98,234. How much money did he spend in all?

Answer:- Cost of the car = ₹ 45,23,600
Cost of the flat = ₹ 12,32,98,234

Total amount spent by him = ₹ 45,23,600 + ₹ 12,32,98,234

Tc	C	TL	L	T.Th	Th	H	T	O
			①	①				
		4	5	2	3	6	0	0
+	1	2	3	2	9	8	2	3
	<u>1</u>	<u>2</u>	<u>7</u>	<u>8</u>	<u>2</u>	<u>1</u>	<u>8</u>	<u>3</u>

Hence, Rehaan spent ₹ 12,78,21,834 in all.

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Practice Exercise 2.2

Q. (1) Subtract →

(a) 67,16,876 - 54,18,455

	TL	L	T.Th	Th	H	T	O
		(6)	(10)	(16)			
	6	7	8	6	8	7	6
-	5	4	1	8	4	5	5
	1	2	9	8	4	2	1

(b) 6,45,23,768 - 2,89,47,908

	C	TL	L	T.Th	Th	H	T	O
	(5)	(13)	(14)	(12)	(2)	(17)		
	6	4	5	2	3	7	6	8
-	2	8	9	4	1	9	0	8
	3	5	5	8	1	8	6	0

(c) 87,32,78,567 - 32,45,67,234

	Tc	C	TL	L	T.Th	Th	H	T	O
		(6)	(12)	(12)					
	8	7	3	2	7	8	5	6	7
-	3	2	4	5	6	7	2	3	4
	5	4	8	7	1	1	3	3	3

(d)

	C	TL	L	T.Th	Th	H	T	O
		6	(18)	(4)	(13)	(11)	(12)	(15)
	8	7	8	5	4	2	3	5
-	4	6	9	3	5	5	6	7
	4	0	9	1	8	6	6	8

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Q. (2) Mr. Thomas earns ₹ 15,32,145 per year. If he pays ₹ 2,30,523 as a loan repayment, how much amount is he left with?

Answer:- Annual income of Mr. Thomas = ₹ 15,32,145
Loan repayment paid by him = ₹ 2,30,523
Amount left with him = ₹ 15,32,145 - ₹ 2,30,523

TL	L	T.Th	Th	H	T	O
			①	①②		
1	5	3	2	1	4	5
-	2	3	0	5	2	3
1	3	0	1	6	2	2

Hence, ₹ 13,01,622 is left with him.

Q. (3) There were 1,24,56,678 fish in an aquarium. Out of those, 12,43,498 fish died because of some disease. How many fish are left now in the aquarium?

Answer:- Number of fish in the aquarium = 1,24,56,678
Number of fish died = 12,43,498
Number of fish left in the aquarium = 1,24,56,678 - 12,43,498

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(e) 213×105

T.Th	Th	H	T	O
		2	1	3
		x 105		
		1	0	65
		0	0	0x
+	2	1	3	xx
	2	2	3	65

(f) 145×205

T.Th	Th	H	T	O
		1	4	5
		x 205		
		7	2	5
		0	0	0x
+	2	9	0	xx
	2	9	7	25

(g) 8756×136

TL	L	T.Th	Th	H	T	O
			8	7	5	6
			x 136			
		5	2	5	3	6
	2	6	2	6	8	x
+	8	7	5	6	xx	
1	1	9	0	8	1	6

(h) 1563×245

L	T.Th	Th	H	T	O
		1	5	6	3
		x 245			
		7	8	1	5
	6	2	5	2	x
+	3	1	2	6	xx
3	8	2	9	3	5

(i) $47,861 \times 326$

C	TL	L	T.Th	Th	H	T	O
			4	7	8	6	1
			x 326				
		2	8	7	1	6	6
		9	5	7	2	2	x
+	1	4	3	5	8	3	xx
1	5	6	0	2	6	8	6

(j) $80,009 \times 405$

C	TL	L	T.Th	Th	H	T	O
			8	0	0	0	9
			x 405				
		4	0	0	0	4	5
		0	0	0	0	0	x
+	3	2	0	0	3	6	xx
3	2	4	0	3	6	4	5

(21)

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$$\begin{aligned}
 \textcircled{e} \quad & 2 \times 4897 \times 500 \\
 & = 4897 \times (2 \times 500) \\
 & = 4897 \times 1000 \\
 & = 4897000
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{f} \quad & 4 \times 5632 \times 125 \\
 & = 5632 \times (4 \times 125) \\
 & = 5632 \times 500 \\
 & = 2816000
 \end{aligned}$$

Q. (4) There are 5467 apartments in a society. Each apartment pays ₹ 525 for maintenance per month. How much amount is collected every month for maintenance?

Answer → Number of apartments in the society = 5467
 Amount paid by each apartment for maintenance = ₹ 525

Amount collected every month for maintenance = ₹ 5467 × 525

TL	L	T-Th	Th	H	T	O
			5	4	6	7
			x	5	2	5
		2	7	3	3	5
	1	0	9	3	4	x
+	2	7	3	3	5	x
	2	8	7	0	1	7
						5

Hence, amount collected every month for maintenance = ₹ 28,70,175

Q. (5) The cost of one LCD TV is

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₹ 67,890. What is the cost of 24 such LCD TVs?

Answer → The Cost of one LCD TV = ₹ 67,890

The cost of 24 such LCD TVs = ₹ 67,890 × 24

TL	L	T.Th	Th	H	T	O
		6	7	8	9	0
				X	2	4
<hr/>						
	2	7	1	5	6	0
+ 1	3	5	7	8	0	X
<hr/>						
1	6	2	9	3	6	0
<hr/>						

Hence, cost of 24 such LCD TVs is ₹ 16,29,360.

Practice Exercise 2-4

Q.(1) Find the quotient and the remainder. Check your division.

Answer:

(11)

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Answer :-

(a) $46,732 \div 7$

$$\begin{array}{r}
 7 \overline{) 46732} \quad (6676 \\
 \underline{-42} \downarrow \\
 47 \\
 \underline{-42} \downarrow \\
 x53 \\
 \underline{-49} \downarrow \\
 42 \\
 \underline{-42} \\
 xx
 \end{array}$$

Quotient = 6676
Remainder = 0

Check:-

$$\begin{aligned}
 & (\text{Divisor} \times \text{Quotient}) \\
 & + \text{Remainder} \\
 & = (7 \times 6676) + 0 \\
 & = 46732 \\
 & = \text{Dividend.}
 \end{aligned}$$

So, the division is correct.

(b) $67,453 \div 9$

$$\begin{array}{r}
 9 \overline{) 67453} \quad (7494 \\
 \underline{-63} \downarrow \\
 x44 \\
 \underline{-36} \downarrow \\
 85 \\
 \underline{-81} \downarrow \\
 x43 \\
 \underline{-36} \\
 7
 \end{array}$$

Quotient = 7494
Remainder = 7

Check:-

$$\begin{aligned}
 & (\text{Divisor} \times \text{Quotient}) + \\
 & \text{Remainder} \\
 & = (9 \times 7494) + 7 \\
 & = 67446 + 7 \\
 & = 67,453 \\
 & = \text{Dividend.}
 \end{aligned}$$

So, the division is correct.

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$$(c) 89,336 \div 8$$

$$\text{Quotient} = 11167$$

$$\text{Remainder} = 0$$

$$\begin{array}{r}
 8 \overline{) 89,336} \quad (11167 \\
 \underline{-8 \downarrow} \\
 9 \\
 \underline{-8 \downarrow} \\
 13 \\
 \underline{-8 \downarrow} \\
 53 \\
 \underline{-48 \downarrow} \\
 56 \\
 \underline{-56 } \\
 \\
 \underline{ } \\

 \end{array}$$

check:-

$$= (\text{Divisor} \times \text{Quotient}) + \text{Remainder}$$

$$= (8 \times 11167) + 0$$

$$= 89,336 + 0$$

$$= 89,336 \text{ (dividend)}$$

So, the division

is correct.

$$(d) 75,432 \div 6$$

$$\begin{array}{r}
 6 \overline{) 75432} \quad (12572 \\
 \underline{-6 \downarrow} \\
 15 \\
 \underline{-12 \downarrow} \\
 34 \\
 \underline{-30 \downarrow} \\
 43 \\
 \underline{-42 \downarrow} \\
 12 \\
 \underline{-12 } \\
 \\
 \underline{ } \\

 \end{array}$$

$$\text{Quotient} = 12572$$

$$\text{Remainder} = 0$$

check:-

$$= (\text{Divisor} \times \text{Quotient}) + \text{Remainder}$$

$$= (6 \times 12572) + 0$$

$$= 75432 + 0$$

$$= 75432$$

(dividend)

So, the division is correct.

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(e) 39,876 ÷ 21

$$\begin{array}{r}
 21 \overline{) 39,876} \quad (1898) \\
 \underline{-21} \downarrow \\
 188 \\
 \underline{-168} \downarrow \\
 x 207 \\
 \underline{-189} \downarrow \\
 x 186 \\
 \underline{-168} \\
 x 18
 \end{array}$$

Quotient = 1898
Remainder = 18

Check:-

$$\begin{aligned}
 & (\text{Divisor} \times \text{Quotient}) + \text{Remainder} \\
 & = (21 \times 1898) + 18 \\
 & = 39,858 + 18 \\
 & = 39,876 \quad (\text{dividend})
 \end{aligned}$$

So, the division is correct.

(f) 98,076 ÷ 32

$$\begin{array}{r}
 32 \overline{) 98,076} \quad (3064) \\
 \underline{-96} \downarrow \\
 x 20 \\
 \underline{-0} \downarrow \\
 207 \\
 \underline{-192} \downarrow \\
 156 \\
 \underline{-128} \\
 x 28
 \end{array}$$

Quotient = 3064
Remainder = 28

Check:-

$$\begin{aligned}
 & (\text{Divisor} \times \text{Quotient}) + \text{Remainder} \\
 & = (32 \times 3064) + 28 \\
 & = 98,048 + 28 \\
 & = 98,076 \quad (\text{dividend})
 \end{aligned}$$

So, the division is correct.

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(g) $65,408 \div 56$

$$56 \overline{) 65,408} \quad (1168)$$

$$\underline{-56} \downarrow$$

$$\times 94$$

$$\underline{-56}$$

$$380$$

$$\underline{-336}$$

$$\times 448$$

$$\underline{-448}$$

$$\times \times \times$$

$$\text{Quotient} = 1168$$

$$\text{Remainder} = 0$$

check:-

$$(\text{Divisor} \times \text{Quotient}) + \text{Remainder}$$

$$= (56 \times 1168) + 0$$

$$= 65,408$$

(dividend)

So, the division is correct.

(h) $23,520 \div 24$

$$24 \overline{) 23,520} \quad (980)$$

$$\underline{-216} \downarrow$$

$$192$$

$$\underline{-192} \downarrow$$

$$\times \times \times 0$$

$$\underline{-0}$$

$$\times$$

$$\text{Quotient} = 980$$

$$\text{Remainder} = 0$$

check:-

$$(\text{Divisor} \times \text{Quotient}) + \text{Remainder}$$

$$= (24 \times 980) + 0$$

$$= 23,520$$

(dividend)

So, the answer is correct.

(i) $9087 \div 459$

$$459 \overline{) 9087} \quad (19)$$

$$\underline{-459} \downarrow$$

$$4497$$

$$\underline{-4131}$$

$$\times 366$$

$$\text{Quotient} = 19$$

$$\text{Remainder} = 366$$

check:-

$$(\text{Divisor} \times \text{Quotient}) + \text{Remainder}$$

$$= (459 \times 19) + 366$$

$$= 8721 + 366$$

$$= 9087$$

(dividend)

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So, the division is correct.

(j) $5678 \div 234$

$$\begin{array}{r} 234 \overline{) 5678} \end{array} (24$$

$$\begin{array}{r} - 468 \downarrow \\ \hline \end{array}$$

$$\begin{array}{r} \times 998 \\ \hline \end{array}$$

$$\begin{array}{r} - 936 \\ \hline \end{array}$$

$$\begin{array}{r} \times 62 \\ \hline \end{array}$$

Quotient = 24

Remainder = 62

check:-

$$(\text{Divisor} \times \text{Quotient}) + \text{Remainder}$$

$$(234 \times 24) + 62$$

$$= 5,616 + 62$$

$$= 5,678 \quad (\text{dividend})$$

So, the division is correct.

(k) $1345 \div 178$

$$\begin{array}{r} 178 \overline{) 1345} \end{array} (7$$

$$\begin{array}{r} - 1246 \\ \hline \end{array}$$

$$\begin{array}{r} \times 99 \\ \hline \end{array}$$

Quotient = 7

Remainder = 99

check:-

$$(\text{Divisor} \times \text{Quotient}) + \text{Remainder}$$

$$(178 \times 7) + 99$$

$$= 1246 + 99$$

$$= 1345 \quad (\text{dividend})$$

So, the answer is correct.

(l) $8892 \div 342$

$$\begin{array}{r} 342 \overline{) 8892} \end{array} (26$$

$$\begin{array}{r} - 684 \downarrow \\ \hline \end{array}$$

$$\begin{array}{r} \times 2052 \\ \hline \end{array}$$

$$\begin{array}{r} - 2052 \\ \hline \end{array}$$

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

Quotient = 26

Remainder = 0

check:-

$$(\text{Divisor} \times \text{Quotient}) + \text{Remainder}$$

$$(342 \times 26) + 0$$

$$= 8,892$$

$$(\text{dividend})$$

So, the division is correct.

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Q.2 A total of 76,516 bags of rice are loaded onto trucks. If one truck can carry 74 bags, then how many trucks are needed to carry 76,516 bags?

Answer → Number of bags of rice loaded onto trucks = 76,516
 Number of bags one truck can carry = 74
 Number of trucks needed to carry 76,516 bags = $76516 \div 74$

$$\begin{array}{r}
 74 \overline{) 76516} \quad (1034) \\
 \underline{-74} \\
 25 \\
 \underline{-0} \\
 251 \\
 \underline{-222} \\
 296 \\
 \underline{-296} \\
 xxx
 \end{array}$$

So, 1034 trucks are needed to carry 76,516 bags.

Q. (3) There are 34 crayons in one box. How many boxes are required to pack 89,658 crayons?

Answer → Total number of crayons are to be packed = 89,658

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Number of crayons in each box = 34
 Number of boxes required to pack 89,658 Crayons = $89,658 \div 34$

$$\begin{array}{r}
 34 \overline{) 89,658} \quad (2637 \\
 \underline{- 68} \\
 216 \\
 \underline{- 204} \\
 x125 \\
 \underline{- 102} \\
 x238 \\
 \underline{- 238} \\
 xxx
 \end{array}$$

Hence, 2637 boxes are required to pack 89,658 Crayons.

MCQs (Page - 153)

Q. (1) Find the product of the greatest four-digit number and the smallest three-digit number.

Answer → The greatest four-digit number = 9999
 The smallest three-digit number = 100
 Product = 9999×100
 = 999,000

[Correct answer is (d)]

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Q. (2) Find a number that exceeds 3,45,67,239 by 10,00,000.

Answer → The number =

$$\begin{array}{r}
 3,45,67,239 \\
 + 10,00,000 \\
 \hline
 3,55,67,239
 \end{array}$$

So, the correct answer is (a).

Q. (3) Find the quotient and the remainder: $60002 \div 2$

Answer →

$$\begin{array}{r}
 2 \overline{) 60002} \quad (30001 \\
 \underline{-6} \downarrow \\
 x0 \\
 \underline{-0} \downarrow \\
 x0 \\
 \underline{-0} \downarrow \\
 x0 \\
 \underline{-0} \downarrow \\
 x2 \\
 \underline{-2} \\
 x \\
 \hline
 \end{array}$$

Quotient = 30,001

Remainder = 0

So, the correct answer is (b)

Q. (4) Multiply $8 \times 543 \times 125$

Answer →

$$\begin{aligned}
 & 8 \times 543 \times 125 \\
 & = 543 \times (8 \times 125) \\
 & = 543 \times 1000 \\
 & = 543,000
 \end{aligned}$$

So, the correct answer is (c).

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Q. (5) By how much is 20 lakh less than 40,34,009?

Answer → $40,34,009 - 20,00,000$
 $= 20,34,009$

So, the correct answer is (a).

Work it out (page 154)

Q. 1 solve the following:-

(a) $2,34,65,908 + 4,54,78,564$

	C	TL	L	T.Th	Th	H	T.O
			①	①	①		
	2	3	4	6	5	9	08
+	4	5	4	7	8	5	64
	<u>6</u>	<u>8</u>	<u>9</u>	<u>4</u>	<u>4</u>	<u>4</u>	<u>72</u>

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(b) $90,87,654 + 32,78,234$

	TL	L	T.Th	Th	H	T	O
		(1)	(1)				
	9	0	8	7	6	5	4
+	3	2	7	8	2	3	4
	12	3	6	5	8	8	8

(c) $3,90,67,451 - 2,56,45,321$

	c	TL	L	T.Th	Th	H	T	O
		(8)	(10)					
	3	9	0	6	7	4	5	1
-	2	5	6	4	5	3	2	1
	1	3	4	2	2	1	3	0

(d) $23,07,08,009 - 21,08,07,007$

	TC	c	TL	L	T.Th	Th	H	T	O
		(2)	(9)	(17)					
	2	3	0	7	0	8	0	0	9
-	2	1	0	8	0	7	0	0	7
	0	1	9	9	0	1	0	0	2

Q. 2 Multiply the following :-

(a) $54,908 \times 3$

164724

(b) 345×897

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(b) 345 x 897

$$\begin{array}{r}
 345 \\
 \times 897 \\
 \hline
 2415 \\
 3105 \times \\
 + 2760 \times \times \\
 \hline
 309465
 \end{array}$$

(c) 4325 x 675

$$\begin{array}{r}
 4325 \\
 \times 675 \\
 \hline
 21625 \\
 30275 \times \\
 + 25950 \times \times \\
 \hline
 2919375
 \end{array}$$

(d) 2378 x 43

$$\begin{array}{r}
 2378 \\
 \times 43 \\
 \hline
 7134 \\
 + 9512 \times \\
 \hline
 102254
 \end{array}$$

(e) 32,876 x 232

$$\begin{array}{r}
 32,876 \\
 \times 232 \\
 \hline
 65752 \\
 98628 \times \\
 + 65752 \times \times \\
 \hline
 7627232
 \end{array}$$

Q. (3) Find the quotient and the remainder.

(a) 3247 ÷ 564

$$\begin{array}{r}
 564 \overline{) 3247} \quad (5 \\
 \underline{-2820} \\
 427
 \end{array}$$

Quotient = 5
Remainder = 427

(b) 23476 ÷ 8

$$\begin{array}{r}
 8 \overline{) 23476} \quad (2934 \\
 \underline{-16} \downarrow \\
 74 \\
 \underline{-72} \downarrow \\
 27 \\
 \underline{-24} \downarrow \\
 36 \\
 \underline{-32} \\
 4
 \end{array}$$

Quotient = 2934
Remainder = 4

Date ___/___/___

(c) $92,453 \div 23$

$$\begin{array}{r} 23 \overline{) 92,453} \quad (4019) \\ \underline{-92} \downarrow \\ \times \times 4 \\ \underline{-0} \downarrow \\ \times \times 45 \\ \underline{-23} \downarrow \\ \times \times 223 \\ \underline{-207} \\ \underline{16} \end{array}$$

Quotient = 4019
Remainder = 16

(d) $53212 \div 34$

$$\begin{array}{r} 34 \overline{) 53212} \quad (1565) \\ \underline{-34} \downarrow \\ \times 192 \\ \underline{-170} \downarrow \\ \times 221 \\ \underline{-204} \downarrow \\ \times 172 \\ \underline{-170} \\ \underline{2} \end{array}$$

Quotient = 1565
Remainder = 2

Q. (4) Find the product of the smallest five-digit number and the greatest two-digit number.

Answer → The smallest five-digit number = 10,000

The greatest two-digit number = 99

$$\begin{aligned} \text{Product of the numbers} &= 10,000 \times 99 \\ &= 990,000 \end{aligned}$$

Hence, product of the smallest five-digit number and the greatest two-digit number is 9,90,000.

Q. (5) Mr. Smith sells 78,903 spools of sewing threads every month.

Date ___/___/___

How many spools does he sell in 3 years?

Answer →

Number of spools of sewing thread sold every month = 78,903.

Number of months in 3 years = 3×12
= 36

Number of spools of sewing thread sold in 36 months = $78,903 \times 36$

$$\begin{array}{r} 78,903 \\ \times 36 \\ \hline 473418 \\ + 2367090 \\ \hline 2840508 \end{array}$$

Hence, 28,40,508 spools are sold in 3 years.

Q. (6) A factory produced 1,23,45,678 pencil leads in the month of March and 3,32,78,654 in the month of April. How many pencil leads were produced in both the months?

Answer → Number of pencil leads produced in the month of March = 1,23,45,678

Number of pencil leads produced in the month of April = 3,32,78,654

Number of pencil leads produced in both the months = $1,23,45,678 + 3,32,78,654$

Date ___/___/___

	C	TL	L	T-Th	Th	H	T	O
			⓪	⓪	⓪	⓪	⓪	
	1	2	3	4	5	6	7	8
+	3	3	2	7	8	6	5	4
	4	5	6	2	4	3	3	2

Hence, 4,56,24,332 pencil leads were produced in both the months.

Q. (7) A number exceeds 2,76,34,344 by 45,60,981. What is the number?

Answer → Required number = 2,76,34,344 + 45,60,981

	C	TL	L	T-Th	Th	H	T	O
	⓪	⓪		⓪	⓪			
	2	7	6	3	4	3	4	4
+		4	5	6	0	9	8	1
	3	2	1	9	5	3	2	5

So, the number is = 3,21,95,325.

Q. (8) A total of 34,56,786 kg of nuts are imported. out of this, 12,34,765 kg are almonds, 7,64,231 kg are cashews and the rest are walnuts. What is the quantity of walnuts that are imported?

Answer → Total quantity of nuts =

Date ___/___/___

34,56,786 kg

Quantity of almonds = 12,34,765 kg

Quantity of Cashews = 7,64,231 kg

Quantity of almonds and Cashews =

12,34,765 kg + 7,64,231 kg

TL	L	T-Th	Th	H	T	O	
----	---	------	----	---	---	---	--

	1	2	3	4	7	6	5	Kg
+		7	6	4	2	3	1	kg
	1	9	9	8	9	9	6	Kg

Quantity of walnuts =

(Total quantity of nuts) - (Quantity of almonds and Cashews)

= 34,56,786 kg - 19,98,996 kg

=	TL	L	T-Th	Th	H	T	O	
---	----	---	------	----	---	---	---	--

	(2)	(13)	(14)	(15)	(16)	(18)		
	3	4	8	8	7	8	6	Kg
-	1	9	9	8	9	9	6	kg
	1	4	5	7	7	9	0	kg

Hence, 14,57,790 kg of walnuts are imported.

Q. (9) In a tray 72 eggs can be packed. How many trays are needed to pack 54,648 eggs? How many eggs will be left unpacked?

