

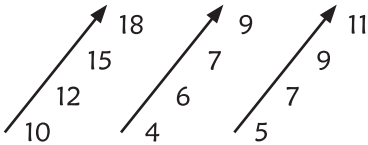
MY FIRST MATHEMATICS

1 TO 5

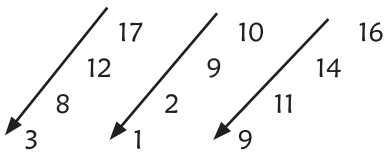
11 equal to 11
 =
 5 equal to 5
 =
 10 not equal to 4
 ≠

PAGE-18

Arrange the numbers in ascending order.



Arrange the numbers in descending order.



PAGE - 19

Do it yourself.

PAGE - 20-21

Do it yourself.

PAGE - 22

Add and write how many.

5 ducks in all
 7 birds in all
 9 flowers in all
 4 spotted animals

PAGE - 23

4 + 2 = 6
 2 + 3 = 5
 4 + 3 = 7
 2 + 1 = 3

4 + 4 = 8

PAGE - 24

Add the following by using the number line.

6 + 2 = 8 4 + 2 = 6

1 + 4 = 5 3 + 6 = 9

5 + 4 = 9 3 + 3 = 6

3 + 2 = 5 4 + 3 = 7

PAGE - 25

Adding one

4 + 1 = 5 5 + 1 = 6

Adding zero

5 + 0 = 5

4 + 0 = 4

PAGE - 26

Fill in the blanks.

6 + 1 = 7 1 + 6 = 7

2 + 3 = 5 3 + 2 = 5

7 + 0 = 7 0 + 7 = 7

4 + 3 = 7 3 + 4 = 7

5 + 2 = 7 2 + 5 = 7

Mental Maths

3 + 2 = 5 1 + 7 = 8

4 + 2 = 6 3 + 4 = 7

PAGE - 27

Fill in the boxes.

5	3	4
+ 1	+ 2	+ 3
-----	-----	-----
6	5	7
-----	-----	-----

$$\begin{array}{r} 6 \\ + 3 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 3 \\ + 3 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 2 \\ + 7 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 2 \\ + 3 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 8 \\ + 1 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 5 \\ + 3 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 7 \\ + 2 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 4 \\ + 4 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 1 \\ + 7 \\ \hline 8 \end{array}$$

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Count, add and write the numbers in the boxes.

$$\begin{array}{r} 1 \\ 2 \\ + 4 \\ \hline \end{array} \textcircled{3}$$

$$\begin{array}{r} 3 \\ 2 \\ + 3 \\ \hline \end{array} \textcircled{5}$$

$$\begin{array}{r} 2 \\ 1 \\ + 3 \\ \hline \end{array} \textcircled{3}$$

$$\begin{array}{r} 5 \\ 2 \\ + 1 \\ \hline \end{array} \textcircled{7}$$

$$\begin{array}{r} 2 \\ 2 \\ + 2 \\ \hline \end{array} \textcircled{4}$$

$$\begin{array}{r} 6 \\ 3 \\ + 0 \\ \hline \end{array} \textcircled{9}$$

PAGE – 29-30

Do it yourself.

PAGE – 31

Do it yourself.

PAGE – 32

Subtraction

$$8 - 5 = 3 \textcircled{3}$$

$$6 - 2 = 4 \textcircled{4}$$

$$9 - 2 = 7$$

$$4 - 1 = 3 \textcircled{3}$$

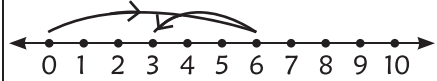
$$5 - 3 = 2 \textcircled{2}$$

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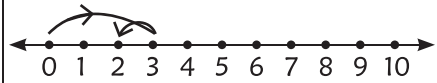
Subtraction on the Number Line



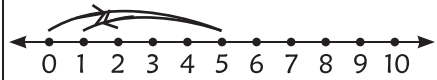
$$7 - 5 = 2$$



$$6 - 3 = 3$$



$$3 - 1 = 2$$



$$5 - 4 = 1$$

PAGE – 34

Subtract and write the numbers in the boxes.

$$6 - 0 = 6$$

$$3 - 0 = 3$$

$$1 - 0 = 1$$

$$8 - 0 = 8$$

$$9 - 1 = 8$$

$$2 - 1 = 1$$

$$5 - 1 = 4$$

$$7 - 1 = 6$$

PAGE – 35

Subtracting a Number from itself

$$9 - 9 = 0$$

$$1 - 1 = 0$$

$$5 - 5 = 0$$

$$3 - 3 = 0$$

$$4 - 4 = 0$$

$$6 - 6 = 0$$

$$2 - 2 = 0$$

$$8 - 8 = 0$$

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Subtracting Vertically.

$$\begin{array}{r} 9 \\ - 5 \\ \hline 4 \end{array}$$

$$\boxed{(9) - (5) = (4)}$$

$$\begin{array}{r} 6 \\ - 2 \\ \hline 4 \end{array}$$

$$\boxed{(6) - (2) = (4)}$$

$$\begin{array}{r} 9 \\ - 7 \\ \hline 2 \end{array}$$

$$\boxed{(9) - (7) = (2)}$$

$$\begin{array}{r} 6 \\ - 3 \\ \hline 3 \end{array}$$

$$\boxed{(6) - (3) = (3)}$$

$$\begin{array}{r} 8 \\ - 4 \\ \hline 4 \end{array}$$

$$\boxed{(8) - (4) = (4)}$$

$$\begin{array}{r} 5 \\ - 4 \\ \hline 1 \end{array}$$

$$\boxed{(5) - (4) = (1)}$$

PAGE - 37

Do it yourself.

PAGE - 38

Time to Fun

$$\textcircled{4} \quad \begin{array}{r} 9 - 5 \\ 8 - 4 \quad 7 - 3 \\ \hline \end{array}$$

$$\textcircled{3} \quad \begin{array}{r} 9 - 6 \\ 8 - 5 \quad 7 - 4 \\ \hline \end{array}$$

$$\textcircled{6} \quad \begin{array}{r} 9 - 3 \\ 8 - 2 \quad 7 - 1 \\ \hline \end{array}$$

$$\textcircled{2} \quad \begin{array}{r} 7 - 5 \\ 9 - 7 \quad 6 - 4 \\ \hline \end{array}$$

$$\textcircled{1} \quad \begin{array}{r} 8 - 7 \\ 6 - 5 \quad 9 - 8 \\ \hline \end{array}$$

$$\textcircled{5} \quad \begin{array}{r} 9 - 4 \\ 8 - 3 \quad 7 - 2 \\ \hline \end{array}$$

Hots Questions

1. a. 2. b. 3. c. 4. b.

PAGE - 39

Do it yourself.

PAGE - 40-44

Do it yourself.

PAGE - 45

Tick (✓) the correct choice.

1. c. 2. b. 3. c. 4. a.

PAGE - 46

Do it yourself.

PAGE - 47

Do it yourself.

PAGE - 48-51

Do it yourself.

PAGE - 52

24 ——— Twenty-eight
 47 ——— Forty-nine
 32 ——— Thirty-five
 28 ——— Twenty-four
 35 ——— Thirty-two
 39 ——— Forty-seven
 50 ——— Fifty
 49 ——— Thirty-nine

40 ——— Forty-eight
 25 ——— Twenty-three
 36 ——— Thirty-seven
 48 ——— Twenty-five
 23 ——— Twenty-six
 31 ——— Forty
 37 ——— Thirty-six
 26 ——— Thirty-one

Fill in the blanks.

After	Between	Before
17	19	40
26	40	37

40	46	44
49	28	49
37	32	35
48	42	29

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Fill in the missing numbers.

31	32	33	34	35	36
45	46	47	48	49	50
24	25	26	27	28	29

Write the numbers names.

- a. eighty-six b. Thirty-nine c. ninety-one
 d. eighty-eight e. seventy-two
 f. sixty-seven

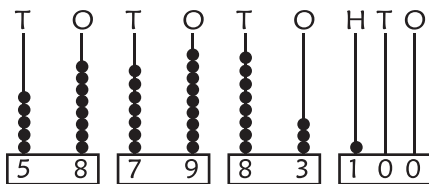
Tick (✓) the correct spellings and write the correct numbers.

- a. fifty-nine **59** b. forty-three **43**
 c. seventy-six **76** d. eighty-eight **88**
 e. ninety **90** f. twenty-two **22**.

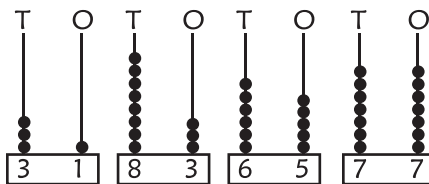
Do it yourself.

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Draw beads on the abacus for the following numbers.



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Write the number before, after or in between the given numbers.

before	after	in between
27	27	50
48	80	92
34	83	37
41	66	88

Write $>$, $<$ or $=$ sign in the boxes.

44 < 49	33 < 50	84 > 61
21 < 25	92 > 29	70 > 33
80 = 80	77 > 58	49 > 31

Encircle the smallest with a blue crayon and greatest number with a red crayon.

Do it yourself.

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Arrange the numbers in ascending order.

39, 44, 57, 73	61, 69, 79, 86
78, 75, 80, 95	

Arrange the numbers in descending order.

86, 68, 37, 19	73, 64, 51, 42
95, 90, 76, 89	

Mental Maths

47 = 40 + 7	27 = 20 + 7
43 = 40 + 3	28 = 20 + 8
50 = 50 + 0	44 = 40 + 4

Hots Questions

1. b. 2. a. 3. a. 4. b. 5. a.

PAGE – 58

Do it yourself.

PAGE – 59

Do it yourself.

PAGE – 60

Do it yourself.

PAGE – 61

$\begin{array}{r} 6 \text{ IIII} \\ + 3 \text{ III} \\ \hline 9 \end{array}$	$\begin{array}{r} 5 \text{ IIII} \\ + 9 \text{ IIII} \\ \hline 14 \end{array}$	$\begin{array}{r} 7 \text{ IIII} \\ + 8 \text{ IIII} \\ \hline 15 \end{array}$
--	--	--

$\begin{array}{r} 4 \text{ III} \\ + 6 \text{ IIII} \\ + 7 \text{ IIII} \\ \hline 11 \end{array}$	$\begin{array}{r} 3 \text{ III} \\ + 1 \text{ I} \\ + 8 \text{ IIII} \\ \hline 13 \end{array}$
---	--

$\begin{array}{r} 9 \text{ IIII} \\ + 4 \text{ III} \\ + 5 \text{ IIII} \\ \hline 18 \end{array}$	$\begin{array}{r} 6 \text{ IIII} \\ + 3 \text{ III} \\ + 5 \text{ IIII} \\ \hline 14 \end{array}$	$\begin{array}{r} 6 \text{ IIII} \\ + 3 \text{ III} \\ + 1 \text{ I} \\ \hline 10 \end{array}$
---	---	--

$\begin{array}{r} 5 \text{ IIII} \\ + 7 \text{ IIII} \\ + 4 \text{ III} \\ \hline 16 \end{array}$	$\begin{array}{r} 4 \text{ III} \\ + 2 \text{ II} \\ + 5 \text{ IIII} \\ \hline 11 \end{array}$
---	---

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Add the following.

$\begin{array}{r} T \ O \\ 1 \ 4 \\ + 3 \\ \hline 1 \ 7 \end{array}$	$\begin{array}{r} T \ O \\ 1 \ 6 \\ + 2 \\ \hline 1 \ 8 \end{array}$	$\begin{array}{r} T \ O \\ 1 \ 1 \\ + 3 \\ \hline 1 \ 4 \end{array}$	$\begin{array}{r} T \ O \\ 1 \ 0 \\ + 8 \\ \hline 1 \ 8 \end{array}$
--	--	--	--

$\begin{array}{r} T \ O \\ 1 \ 8 \\ + 1 \\ \hline 1 \ 9 \end{array}$	$\begin{array}{r} T \ O \\ 1 \ 4 \\ + 2 \\ \hline 1 \ 6 \end{array}$	$\begin{array}{r} T \ O \\ \quad 5 \\ + 1 \ 0 \\ \hline 1 \ 5 \end{array}$	$\begin{array}{r} T \ O \\ \quad 2 \\ + 1 \ 3 \\ \hline 1 \ 5 \end{array}$
--	--	--	--

$\begin{array}{r} T \ O \\ 1 \ 1 \\ + 4 \\ \hline 1 \ 5 \end{array}$	$\begin{array}{r} T \ O \\ 1 \ 7 \\ + 2 \\ \hline 1 \ 9 \end{array}$	$\begin{array}{r} T \ O \\ 1 \ 7 \\ + 1 \\ \hline 1 \ 8 \end{array}$	$\begin{array}{r} T \ O \\ 1 \ 1 \\ + 1 \\ \hline 1 \ 2 \end{array}$
--	--	--	--

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Find the sum.

$\begin{array}{r} T \ O \\ 1 \ 1 \\ + 1 \ 1 \\ \hline 2 \ 2 \end{array}$	$\begin{array}{r} T \ O \\ 2 \ 3 \\ + 1 \ 2 \\ \hline 3 \ 5 \end{array}$	$\begin{array}{r} T \ O \\ 3 \ 4 \\ + 1 \ 3 \\ \hline 4 \ 7 \end{array}$	$\begin{array}{r} T \ O \\ 2 \ 5 \\ + 2 \ 3 \\ \hline 4 \ 8 \end{array}$
--	--	--	--

$\begin{array}{r} T \ O \\ 6 \ 7 \\ + 1 \ 2 \\ \hline 7 \ 9 \end{array}$	$\begin{array}{r} T \ O \\ 5 \ 2 \\ + 1 \ 6 \\ \hline 6 \ 8 \end{array}$	$\begin{array}{r} T \ O \\ 5 \ 0 \\ + 2 \ 7 \\ \hline 7 \ 7 \end{array}$	$\begin{array}{r} T \ O \\ 4 \ 1 \\ + 4 \ 5 \\ \hline 8 \ 6 \end{array}$
--	--	--	--

$\begin{array}{r} T \ O \\ 1 \ 1 \\ + 2 \ 4 \\ \hline 3 \ 5 \end{array}$	$\begin{array}{r} T \ O \\ 1 \ 7 \\ + 4 \ 2 \\ \hline 5 \ 9 \end{array}$	$\begin{array}{r} T \ O \\ 1 \ 7 \\ + 7 \ 1 \\ \hline 8 \ 8 \end{array}$	$\begin{array}{r} T \ O \\ 1 \ 1 \\ + 6 \ 1 \\ \hline 7 \ 2 \end{array}$
--	--	--	--

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Fill in the blanks.

- = 4 tens + 4 ones
- = 8 tens + 8 ones
- = 9 tens + 6 ones
- = 7 tens + 9 ones

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Add the following by carrying over.

$\begin{array}{r} T \ O \\ 2 \ 8 \\ + 3 \\ \hline 3 \ \boxed{1} \end{array}$	$\begin{array}{r} T \ O \\ 8 \ 5 \\ + 7 \\ \hline 9 \ \boxed{2} \end{array}$	$\begin{array}{r} T \ O \\ 2 \ 4 \\ + 6 \\ \hline 3 \ \boxed{0} \end{array}$	$\begin{array}{r} T \ O \\ 7 \ 5 \\ + 8 \\ \hline 8 \ \boxed{3} \end{array}$
--	--	--	--

$\begin{array}{r} T \ O \\ 6 \ 3 \\ + 1 \ 7 \\ \hline 8 \ \boxed{0} \end{array}$	$\begin{array}{r} T \ O \\ 5 \ 7 \\ + 1 \ 4 \\ \hline 7 \ \boxed{1} \end{array}$	$\begin{array}{r} T \ O \\ 6 \ 8 \\ + 2 \ 7 \\ \hline 9 \ \boxed{5} \end{array}$	$\begin{array}{r} T \ O \\ 4 \ 9 \\ + 1 \ 9 \\ \hline 6 \ \boxed{8} \end{array}$
--	--	--	--

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$\begin{array}{r} T \ O \\ \boxed{6} \ 9 \\ + 1 \ 2 \\ \hline 8 \ \boxed{1} \end{array}$	$\begin{array}{r} T \ O \\ \boxed{7} \ 8 \\ + \quad 8 \\ \hline 8 \ \boxed{7} \end{array}$	$\begin{array}{r} T \ O \\ \boxed{3} \ 6 \\ + 2 \ 5 \\ \hline 6 \ \boxed{1} \end{array}$	$\begin{array}{r} T \ O \\ \boxed{3} \ 8 \\ + 2 \ 6 \\ \hline 6 \ \boxed{4} \end{array}$
--	--	--	--

T	O
3	5
+ 4	6
8	1

T	O
8	4
+ 9	
9	3

T	O
7	8
+ 1	6
9	4

T	O
4	6
+ 2	7
7	3

Story Sums

1. 38 2. 3. 52, 17, 69 4. 17, 12, 29

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T	O
1	6
- 3	
1	3

T	O
1	7
- 2	
1	5

T	O
2	8
- 2	
2	6

T	O
1	7
- 7	
1	0

T	O
1	9
- 3	
1	6

T	O
1	8
- 4	
1	4

T	O
1	1
- 0	
1	1

T	O
1	8
- 2	
1	6

T	O
1	9
- 5	
1	4

T	O
1	5
- 3	
1	2

T	O
1	2
- 1	
1	1

T	O
1	6
- 1	
1	5

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T	O
1	3
- 3	
1	0

T	O
3	6
- 1	4
2	2

T	O
4	8
- 2	4
2	4

T	O
5	9
- 4	5
1	4

T	O
5	5
- 3	3
2	2

T	O
6	7
- 4	4
2	3

T	O
7	5
- 5	5
2	0

T	O
8	7
- 1	1
7	6

T	O
6	0
- 3	0
3	0

T	O
9	3
- 5	2
4	1

T	O
8	4
- 2	3
6	1

T	O
3	3
- 1	3
2	0

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T	O
7	8
- 2	5
4	5

T	O
8	8
- 2	8
6	5

T	O
4	8
- 2	6
1	4

T	O
8	4
- 5	7
0	7

T	O
8	8
- 2	9
2	7

T	O
2	8
- 1	8
1	2

T	O
8	4
- 4	9
4	6

T	O
1	3
- 1	6
0	7

T	O
4	2
- 1	9
2	3

T	O
6	8
- 2	9
3	9

T	O
7	8
- 3	8
3	5

T	O
8	5
- 3	7
5	8

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Story Sums

2. T O 3. T O

1	6	2	5
x	8	-	7
<hr/>		<hr/>	
0	8	1	8

4. T O 5. T O

4	8	5	2		
-	2	5	-	1	5
<hr/>		<hr/>		<hr/>	
2	3	3	7		

6. T O

6	0
2	6
<hr/>	
3	4

Hots Questions

1. b. 2. b. 3. b.

PAGE - 71

Do it yourself.

PAGE - 72-73

Do it yourself.

PAGE – 74

Do it yourself.

Fill in the blanks comparing the mass of objects.

- Tomatoes are **lighter** / heavier than bottleguard.
- A watermelon is **heavier** than apples.
- The football is **lighter** than a cricket bat.
- The books are **heavier** than the pens.

PAGE – 75

Do it yourself.

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Hots Questions

1. b. 2. a. 3. a. 4. a.

Time to Fun

Object	More Capacity	Less Capacity
Cup Bucket	Bucket	Cup
Cold drink bottle Kettle	Kettle	Cold drink bottle
Mug Spoon	Mug	Spoon
Cup Cold drink bottle	Cold drink bottle	Cup

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$$2 + 2 + 2 + 2 = 4 \times 2$$

$$4 + 4 + 4 + 4 + 4 = 5 \times 4$$

$$6 + 6 + 6 = 3 \times 6$$

$$3 + 3 + 3 + 3 = 4 \times 3$$

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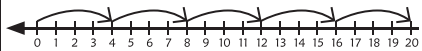
Use the number line to find the following.



$$4 \times 2 = 8$$



$$3 \times 5 = 15$$



$$4 \times 5 = 20$$



$$6 \times 3 = 18$$

PAGE – 83

Fill in the blanks.

= 9	= 24	= 4
= 21	= 45	= 10
= 5	= 3	= 49
= 18	= 18	= 8
= 80	= 12	= 4
= 10	= 15	= 8
= 25	= 54	= 36

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Vertical Multiplication

Multiply (using tables).

T O 6 × 2 1 2	T O 7 × 5 3 5	T O 9 × 4 3 6	T O 4 × 2 8
------------------------	------------------------	------------------------	----------------------

T O 3 × 6 1 8	T O 5 × 8 4 0	T O 8 × 5 4 0	T O 8 × 7 5 6
------------------------	------------------------	------------------------	------------------------

T O 4 × 3 1 2	T O 5 × 4 2 0	T O 6 × 7 4 2	T O 2 × 5 1 0
------------------------	------------------------	------------------------	------------------------

T O 6 × 6 3 6	T O 3 × 9 2 7	T O 8 × 2 1 6	T O 7 × 3 2 1
------------------------	------------------------	------------------------	------------------------

Mental Maths

$$2 \times 6 = 12$$

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Hots Questions

1. a. 2. a. 3. b. 4. b.

Time to Fun

Do it yourself.

PAGE – 87

Put the apples in the baskets.

15 apples shared equally by 3 is 5.

$$15 \div 3 = 5$$

Each basket will have 5 apples.

Use 8 apples.

8 apples shared equally by 2 is 4.

Each basket will have 4 apples.

$$4 \div 2$$

$$4 - 2 = 2 \quad \textcircled{1}$$

$$2 - 2 = 0 \quad \textcircled{2}$$

$$9 \div 3$$

$$9 - 3 = 6 \quad \textcircled{1}$$

$$6 - 3 = 3 \quad \textcircled{2}$$

$$3 - 3 = 0 \quad \textcircled{3}$$

$$14 \div 7$$

$$14 - 7 = 7 \quad \textcircled{1}$$

$$7 - 7 = 0 \quad \textcircled{2}$$

$$12 \div 4$$

$$12 - 4 = 8 \quad \textcircled{1}$$

$$8 - 4 = 4 \quad \textcircled{2}$$

$$4 - 4 = 0 \quad \textcircled{3}$$

$$18 \div 6$$

$$18 - 6 = 12 \quad \textcircled{1}$$

$$12 - 6 = 6 \quad \textcircled{2}$$

$$6 - 6 = \quad \textcircled{3}$$

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Make groups to divide and fill in the boxes.

$$12 \div 3 = 4$$

$$12 \div 2 = 6 \quad 15 \div 3 = 5$$

Time to Fun

Do it yourself.

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Do it yourself.

PAGE – 91

Do it yourself.

PAGE – 92

Days of the Week

Fill in the blanks.

- **Monday** is the the first day of the week.
- Thursday is the **4th** day of the week.
- Sunday is the **7th** day of the week.
- **Monday** is the day after Sunday.
- **Thursday** is the day before Friday.
- **Tuesday** is the second day of the week.
- **Wednesday** is between Tuesday and Thursday.
- **Wednesday** is the third day of the week.
- **Sunday** is the last day of the week.
- **Friday** is the day before Saturday.

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- **Months of the Year**
- **Fill in the blanks.**

- The third month is **March**.
- **February** is the second month of the year.
- The tenth month of the year is **October**.
- **April** comes after March.
- **May** comes before June.
- **November** comes in between October and December.
- July comes in between **June** and **August**.

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Hots Questions

1. b. 2. b. 3. c. 4. c.

Time to Fun

S	A	T	U	R	D	A	Y	M	O
U	T	H	U	R	S	D	A	Y	P
N	H	I	M	O	N	D	A	Y	O
D	O	T	U	X	T	R	M	K	I
A	Z	U	S	F	R	I	D	A	Y
Y	A	E	F	H	O	Q	R	X	Z
C	B	S	I	G	V	R	S	V	P
W	E	D	N	E	S	D	A	Y	I
O	I	A	Q	O	S	R	E	T	K
H	N	Y	J	G	N	E	Y	C	U

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Do it yourself.

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Hots Questions

1. c. 2. c. 3. c. 4. b. 5. c. 6. a.

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Do it yourself.

PAGE – 99

Today is Maya’s birthday.

- 6 6 1 6
4 4 8 11

PAGE – 100

Do it yourself.

PAGE – 101

Look at the picture of a jungle and answer the following questions.

1. 4
2. 1
3. 2
4. 15

Hots

MAHATMA GANDHI

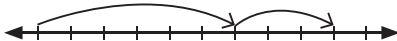
SARDAR VALLABH BHAI PATEL

- 10, 4, 2

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Do it yourself.

MODEL TEST PAPER-1

2. 99,69,59,47,33,25
3. a. > b. > c. = d. <
4. a. 8 b. 8 c. 9 d. 7
5. 8,7,4,3
6. a. 5th b. 4th c. 1st, 7th d. 3rd, 8th
7. $5 + 3 = 8$
8. $9 - 5 = 4$
9. 

MODEL TEST PAPER-2

1. a. heavier b. lighter
2. Do it yourself.
3. a. 18 b. 15
4. a. 63 b. 118
5. a. Saturday b. 4th c. Monday
d. May, June e. September f. January
6. a. iii. b. ii.

MY FIRST MATHEMATICS-2

1. Numbers and Numeration

- Do it yourself.
- a. 24 b. 59 c. 72 d. 81 e. 95
f. 80

Exercise -1 A

- a.

101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

b.	351	352	353	354	c.	665	666	667
	355	356	357	358		668	669	670
	359	360	361	362		671	672	673

d.	975	976	977	978
	979	980	981	982
	983	984	985	986

- $100 + 20 + 5 = 125$
 - $300 + 40 + 8 = 348$
 - $600 + 60 + 0 = 660$
 - $900 + 0 + 8 = 908$

Exercise -1 B

- a. 70 b. 300 c. 0 d. 500 e. 200
f. 8
-

	Word form	Columns	Expanded form	Standard form
a.	Three hundred twenty-five	325	$300+20+5$	325
b.	Six hundred twelve.	612	$600+10+2$	232
c.	Two hundred thirty-two.	232	$200+30+2$	232
d.	Four hundred fifty-six.	456	$400+50+6$	456
e.	Six hundred sixty-one.	661	$600+60+1$	661

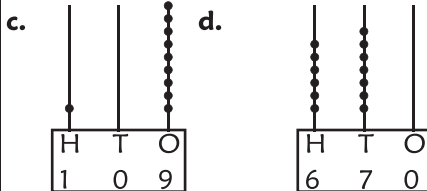
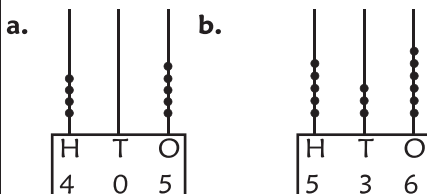
- a. 435 b. 707 c. 507 d. 230
- a. $400 + 70 + 9$ b. $600 + 40 + 2$

- $400 + 00 + 5$ d. $900 + 80 + 0$

Exercise -1 C

- a. 201 b. 901 c. 122 d. 740
e. 305 f. 934 g. 411 h. 103

-



Exercise -1 D

- Less than 500 = 375,401,310
More than 500 = 599,870,999
- a. < b. < c. < d. > e. < f. <
g. > h. < i. < j. < k. = l. <

Exercise -1 E

- b. 129,291,299,921
c. 525,557,582,590
d. 260,620,701,777
e. 360,429,490,510
- b. 440,420,410,240
c. 490,430,390,340
d. 525,425,325,225
e. 630,520,460,210

Mental Maths

- a. 110 b. 1000 c. 510

Exercise -1 F

- b. 8 Even c. 11 odd d. 6 Even

e. 9 odd.

2.

a. 100 (183) (311) 382 404 (645)

b. (789) 866 928 (597) (999) (375)

c. (309) 390 930 (903) 366 (633)

d. (619) 206 (531) (433) 468 700

Mental Maths

Do it yourself.

Hots Questions

1. b. 2. a. 3. a. 4. b.

2. Ordinal Numbers

Mental Maths

WATERMELON

Exercise -2 A

1. Third	fifth
first	sixth
second	fourth

2. First day – Sunday
 Second day – Monday
 Third day – Tuesday
 Fourth day – Wednesday
 Fifth day – Thursday
 Sixth day – Friday
 Seventh day – Saturday

3. N is the **3rd** letter.

U is the **fifth** letter.

G is the **first** letter.

I is the **fourth** letter.

What is fifth letter from right **E**.

Time to Fun

Planet	Position
--------	----------

Earth	Third
Venus	Second
Mercury	First
Mars	Fourth
Saturn	Sixth
Neptune	Eighth
Uranus	Seventh
Jupiter	Fifth

Hots Questions

1. b. 2. c. 3. c.

3. Addition

Let's Review

8 + 1 = 9

2 + 1 = 3

2 + 4 = 6

5 + 3 = 8

4 + 3 = 7

7 + 1 = 8

4 + 1 = 5

Exercise -3 A

a.

(T)	(O)
2	6
+	4 3
6	9

b.

(T)	(O)
2	5
+	5 3
7	8

c.

(T)	(O)
7	5
+	1 1
8	6

d.

(T)	(O)
8	3
+	1 4
+	2
9	9

e.

(T)	(O)
2	4
+	4 2
+	2 2
8	8

f.

(T)	(O)
1	1
+	3 3
+	2 2
6	6

Exercise -3 B

1. a. 15 b. 42 c. 0 d. 6 e. 12 f. 12

Exercise -3 C

Find the sum of the following:

a.

(T)	(O)
(1)	
2	6
+	3 9
6	5

b.

(T)	(O)
(1)	
3	6
+	5 7
9	3

c.

(T)	(O)
(1)	
4	7
+	3 6
8	3

d.

(T)	(O)
(1)	
5	9
+	2 7
8	6

e.

(T)	(O)
(1)	
4	6
+	2 9
7	5

f.

T	○
①	
3	5
+ 4	8
8	3

 g.

T	○
①	
5	4
+ 2	9
8	3

 h.

T	○
①	
5	6
+ 2	5
8	1

i.

T	○
①	
2	3
+ 4	7
7	0

 j.

T	○
①	
2	6
+ 4	5
7	1

Exercise -3 D

1. a. $593 \Rightarrow 500 + 90 + 3 = 593$
 b. $477 \Rightarrow 400 + 70 + 7 = 477$
 c. $839 \Rightarrow 800 + 30 + 9 = 839$

2. a.

H	T	○
2	1	3
+ 3	4	5
5	5	8

b.

H	T	○
5	0	4
+ 1	2	2
6	2	6

c.

H	T	○
4	1	7
+ 5	8	2
9	9	9

d.

H	T	○
3	1	7
+ 2	1	1
5	2	8

e.

H	T	○
2	1	7
+ 6	0	2
8	1	9

f.

H	T	○
8	1	2
+ 7	1	
8	8	3

g.

H	T	○
3	0	2
+ 6	7	5
9	7	7

h.

H	T	○
4	3	5
+ 1	2	1
5	5	6

Exercise -3 E

1. a.

H	T	○
○	①	
4	2	9
+ 1	4	3
5	7	2

 b.

H	T	○
○	①	
1	4	9
+ 3	1	6
4	6	5

 c.

H	T	○
○	①	
1	5	5
+ 1	7	7
3	3	2

d.

H	T	○
○	①	
4	0	2
+ 1	6	9
5	7	1

 e.

H	T	○
○	①	
2	2	3
+ 0	3	7
2	6	0

 f.

H	T	○
①	①	
6	2	6
+ 2	7	9
9	0	5

g.

H	T	○
①	①	
2	5	6
+ 1	4	7
4	0	3

 h.

H	T	○
①	①	
3	4	6
+ 3	5	8
7	0	4

 i.

H	T	○
○	①	
7	5	6
+ 1	3	8
8	9	4

j.

H	T	○
○	①	
2	6	8
+ 2	0	9
4	7	7

 k.

H	T	○
○	①	
2	1	7
+ 4	6	9
6	8	6

 l.

H	T	○
①	①	
1	7	8
+ 6	2	4
8	0	2

m.

H	T	○
①	①	
2	7	8
+ 1	2	9
4	0	7

 n.

H	T	○
①	①	
1	5	6
+ 3	6	7
5	2	3

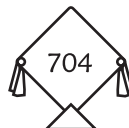
 o.

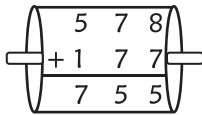
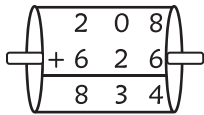
H	T	○
○	①	
4	4	4
+ 2	2	9
6	7	3

2.

4	6	9
+ 2	3	5
7	0	4

2	7	8
+ 6	0	9
8	8	7





Exercise -3 F

1.

H	T	O
3	5	
+	2	3

5	8	

2.

H	T	O
5	2	
+	3	1

8	3	

3.

H	T	O	
2	5	4	
+	2	8	0

5	3	4	

5.

H	T	O	
4	7	6	
+	3	7	4

8	5	0	

6.

H	T	O	
2	4	2	
+	5	6	9

8	2	1	

Time to Fun

T	O	
4	4	
+	3	5

7	9	

I

T	O	
6	7	
+	2	6

9	3	

T

T	O	
1	6	
+	8	0

9	6	

D

T	O	
3	3	
+	2	3

5	6	

A

T	O	
3	3	
+	3	3

6	6	

S

H	T	O	
3	2	6	
+	1	6	9

4	9	5	

O

T	O	
3	6	
+	2	3

5	9	

H

H	T	O	
4	4	7	
+	1	3	6

5	8	3	

E

T	O	
6	1	
+		5

6	5	

M

H	T	O	
3	4	8	
+	2	3	8

5	8	6	

Y

T	O	D	A	Y
93	495	96	56	586

I	S
79	66

M	A	T	H	S
65	56	93	59	66

T	E	S	T
93	583	66	93

Hots Questions

1. b. 2. a. 3. a. 4. a.

Mental Maths

7	2	3
0	4	8
5	6	1

Hots

			=174
			=123
			=60
123	168	66	

Maths Lab Activity

Do it yourself.

4. Subtraction

Let's Review

$7 - 4 = 3$

$4 - 0 = 4$

$8 - 6 = 2$

$5 - 3 = 2$

$9 - 5 = 4$

$7 - 2 = 5$

$10 - 5 = 5$

$6 - 0 = 6$

$9 - 3 = 6$

$5 - 5 = 0$

$3 - 2 = 1$

Exercise -4 A

1. a. 14 b. 0 c. 97 d. 0 e. 18 f. 93
g. 61 h. 99 i. 44 j. 0 k. 70 l. 0 m. 0
n. 89

Exercise -4 B

1. a.

T	○
7	9
-	4 3
3 6	

 b.

T	○
5	6
-	1 5
4 1	

c.

T	○
9	7
-	7 6
2 1	

 d.

T	○
5	6
-	2 6
3 0	

e.

T	○
7	6
-	3 5
4 1	

 f.

T	○
8	9
-	2 4
6 5	

g.

T	○
6	4
-	5 1
1 3	

 h.

T	○
9	4
-	7 2
2 2	

i.

T	○
3	6
-	2 0
1 6	

 j.

T	○
8	8
-	5 7
3 1	

2. a. 34 b. 43 c. 33 d. 25 e. 32 f. 10

Exercise -4 C

1. a.

T	○
8	3
-	4 9
3 4	

 b.

T	○
4	2
-	9
3 3	

c.

T	○
5	2
-	2 8
2 4	

 d.

T	○
7	6
-	3 9
3 7	

e.

T	○
7	4
-	2 6
4 8	

Exercise -4 D

1. a.

T	○
4	9
-	2 7
2 2	

 →

T	○
2	2
+	2 7
4 9	

b.

T	○
7	5
-	4 8
2 7	

 →

T	○
2	7
+	4 8
7 5	

c.

T	○
6	1
-	2 7
3 4	

 →

T	○
3	4
+	2 7
6 1	

d.

T	○
7	6
-	5 9
1 7	

 →

T	○
1	7
+	5 9
7 6	

e.

T	○
4	0
-	1 8
2 2	

 →

T	○
2	2
+	1 8
4 0	

f.

T	○
6	7
-	2
3	8

T	○
3	8
+	2
6	7

Exercise -4 E

1. a. 511 b. 525 c. 312 d. 532 e. 220
f. 204 g. 432 h. 419

Exercise -4 F

1. a.

H	T	○
○	6	12
8	7	2
-	5	3
3	3	4

b.

H	T	○
○	5	17
5	8	7
-	2	4
3	1	8

c.

H	T	○
○	4	17
8	5	7
-	3	3
5	1	8

d.

H	T	○
○	6	12
7	7	2
-	1	4
5	2	9

e.

H	T	○
6	13	12
7	4	2
-	4	7
2	6	3

f.

H	T	○
5	12	11
6	2	1
-	3	6
2	6	6

g.

H	T	○
5	9	16
6	8	8
-	5	1
0	8	8

h.

H	T	○
8	17	15
9	8	8
-	5	8
3	9	7

i.

H	T	○
○	7	15
7	8	8
-	5	4
2	3	9

j.

H	T	○
○	5	14
4	8	4
-	2	3
2	2	6

k.

H	T	○
○	7	11
4	8	1
-	7	8
4	0	3

l.

H	T	○
○	7	10
5	8	8
-	2	7
3	0	1

Exercise -4 G

1.

H	T	○
4	3	
-	2	3
2	0	

2.

H	T	○
4	2	
-	1	5
2	7	

3.

H	T	○
6	7	0
-	4	3
2	3	5

4.

H	T	○
7	0	0
-	2	4
4	5	5

5.

H	T	○
2	1	0
-	1	8
3	0	

6.

H	T	○
3	5	0
-	1	9
1	6	0

7.

H	T	○
2	7	8
-	1	6
1	0	9

Hots Questions

1. b. 2. a. 3. b. 4. c.

Time to Fun

1. 370 2. 314 3. 346 e. 4. 217 a.
5. 202 b.

Hots

1. d. 2. 5,2

Maths Lab Activity

Do it yourself.

5. Shapes

Exercise -5 A

1. Curve, Straight, Curve
2. b. 0, 4; d. 1, 2; f. 0.4

Exercise -5 B

1. a. C b. T c. R d. T e. S f. C g. S h. O

Time to Fun

Do it yourself.

Exercise -5 C

1. Cylinder, Cuboid, Cube, Cone
2. Do it yourself.

Hots Questions

1. a. 2. b. 3. a.

Maths Lab Activity

Do it yourself

6. Multiplication

Exercise -6 A

- 4, 2
 $2 + 2 + 2 + 2 = 8$
 $2 \times 4 = 8$
 8
- 4, 3
 $3 + 3 + 3 + 3 = 12$
 $3 \times 4 = 12$
 12

Exercise -6 B

- a. 20 b. 24 c. 35 d. 18 e. 28 f. 16
 g. 27 h. 10 i. 50 j. 45 k. 40 l. 30
 m. 72 n. 63 o. 30

- | | |
|--------------|---------------|
| 4×5 | 27 |
| 2×8 | 40 |
| 9×3 | 16 |
| 5×8 | 18 |
| 7×3 | 24 |
| 2×9 | 20 |
| 3×8 | 21 |

Maths Lab Activity

Do it yourself.

Exercise -6 C

- b. 20, 20 c. 18, 18

Exercise -6 D

- a. 4 b. 5 c. 6 d. 4, 20 e. 0 f. 7, 14
 g. 0 h. 5, 15 i. 3

Exercise -6 E

- a. 28 b. 53 c. 84 d. 33 e. 26 f. 75
 g. 80 h. 88 i. 88 j. 62 k. 50 l. 44

Exercise -6 F

- a. 57 b. 78 c. 65 d. 64 e. 32 f. 75
 g. 72 h. 96 i. 68 j. 26 k. 60 l. 36
- a. 138 b. 135 c. 275 d. 180 e. 96
 f. 240 g. 100 h. 120 i. 160 j. 70 k.
 130 l. 140

Exercise -6 G

- | | | |
|-----|---|---|
| | Ⓡ | Ⓢ |
| | 8 | |
| × | 4 | |
| 3 2 | | |

	Ⓡ	Ⓢ
	7	
×	4	
2 8		

- | | | |
|-----|---|---|
| | Ⓡ | Ⓢ |
| | 6 | |
| × | 4 | |
| 2 4 | | |

Hots Questions

- a. 2. c. 3. s. 4. b. 5. b.

7. Division

Let's review

6, 2

Maths Lab Activity

Do it yourself.

Exercise -7 A

- b. 6, 6 c. 3, 3 d. 3, 3 e. 3, 3

Exercise -7 B

- a. 3 b. 5 c. 5 d. 6

Exercise -7 C

Do it yourself.

Exercise -7 D

- a. 8 b. 0 c. 64 d. 7 e. 1 f. 0

Exercise -7 E

- a. 45, 5, 9
 45, 9, 5
 b. 12, 4, 3
 45, 9, 5
 c. 4, 6
 d. 9, 2
 e. 7, 9, 7

Exercise -7 F

- | | | | | | | | |
|----|--|----|--|----|--|----|--|
| a. | $\begin{array}{r} 4 \\ 4 \overline{)16} \\ \underline{16} \\ \times \end{array}$ | b. | $\begin{array}{r} 4 \\ 3 \overline{)12} \\ \underline{12} \\ \times \end{array}$ | c. | $\begin{array}{r} 3 \\ 5 \overline{)15} \\ \underline{15} \\ \times \end{array}$ | d. | $\begin{array}{r} 4 \\ 6 \overline{)24} \\ \underline{24} \\ \times \end{array}$ |
|----|--|----|--|----|--|----|--|

$$\begin{array}{r} \text{e. } 4 \\ 7 \overline{)28} \\ \underline{28} \\ \times \end{array} \quad \begin{array}{r} \text{f. } 5 \\ 4 \overline{)20} \\ \underline{20} \\ \times \end{array} \quad \begin{array}{r} \text{g. } 7 \\ 2 \overline{)14} \\ \underline{14} \\ \times \end{array} \quad \begin{array}{r} \text{h. } 7 \\ 8 \overline{)56} \\ \underline{56} \\ \times \end{array}$$

$$\begin{array}{r} \text{i. } 12 \\ 2 \overline{)24} \\ \underline{24} \\ \times 4 \\ \underline{4} \\ \times \end{array} \quad \begin{array}{r} \text{j. } 12 \\ 3 \overline{)36} \\ \underline{36} \\ \times 6 \\ \underline{6} \\ \times \end{array} \quad \begin{array}{r} \text{k. } 21 \\ 2 \overline{)42} \\ \underline{42} \\ \times 2 \\ \underline{2} \\ \times \end{array} \quad \begin{array}{r} \text{l. } 7 \\ 5 \overline{)35} \\ \underline{35} \\ \times \end{array}$$

Mental Maths

72,8 72,9

Exercise -7 G

$$\begin{array}{r} \text{2. a. } 7 \\ 3 \overline{)22} \\ \underline{-21} \\ \hline 1 \end{array} \quad \begin{array}{r} \text{b. } 4 \\ 2 \overline{)9} \\ \underline{-8} \\ \hline 1 \end{array} \quad \begin{array}{r} \text{c. } 4 \\ 8 \overline{)35} \\ \underline{-32} \\ \hline 3 \end{array}$$

Exercise -7 H

$$\begin{array}{r} \text{1. } 6 \\ 6 \overline{)36} \\ \underline{36} \\ \times \end{array}$$

₹6,

$$\begin{array}{r} \text{2. } 8 \\ 7 \overline{)56} \\ \underline{56} \\ \times \end{array}$$

Thus, each friend get 8 pencil's.

$$\begin{array}{r} \text{3. } 9 \\ 8 \overline{)72} \\ \underline{72} \\ \times \end{array}$$

Thus, the cost of 1 balloon is ` 9.

$$\begin{array}{r} \text{4. } 8 \\ 7 \overline{)56} \\ \underline{56} \\ \times \end{array}$$

Thus, there are 8 toys in each row.

$$\begin{array}{r} \text{5. } 7 \\ 7 \overline{)49} \\ \underline{49} \\ \times \end{array}$$

Thus, 49 days make 7 weeks.

Hots Questions

1. c. 2. c. 3. b.

Time To Fun

E	I	J	T
$\begin{array}{r} \boxed{4} \\ 5 \overline{)20} \\ \underline{20} \\ \times \end{array}$	$\begin{array}{r} \boxed{3} \\ 9 \overline{)27} \\ \underline{27} \\ \times \end{array}$	$\begin{array}{r} \boxed{7} \\ 6 \overline{)42} \\ \underline{42} \\ \times \end{array}$	$\begin{array}{r} \boxed{6} \\ 3 \overline{)18} \\ \underline{18} \\ \times \end{array}$

R	U	P
$\begin{array}{r} \boxed{2} \\ 8 \overline{)16} \\ \underline{16} \\ \times \end{array}$	$\begin{array}{r} \boxed{5} \\ 5 \overline{)25} \\ \underline{25} \\ \times \end{array}$	$\begin{array}{r} \boxed{9} \\ 8 \overline{)72} \\ \underline{72} \\ \times \end{array}$

Which is the largest planet?

JUPITER

Mental Maths

Items : 21

Number of people : 3,6

Number of items each one gets : 5,4

8. Measurement

Let's review

1. a. 4 b. 3 2. a. 4,6 b. 1,3

Exercise -8 A

1. a. cm b. cm c. m d. cm e. km f. cm

2. a. more b. more c. more d. more e. less

Exercise -8 B

1. a. 99 b. 99,53 c. 83,55 d. 36,45
2. a. 33,41 b. 54,33 c. 234,20 . 340,02

Exercise -8 C

1. a. g b. kg c. g d. kg e. kg

2. a. 6 b. 8 c. 2

Exercise -8 D

1. a. 66 b. 87 198 c. 85 585 d. 544 251
2. a. 4 000 b. 22 090 c. 168 670 d. 181 209

Exercise -8 E

1. ml, l, ml, l
2. l, ml
3. Do it yourself.

Exercise -8 F

1. a. 6 865 b. 158 590 c. 41 300
2. a. 3 465 b. 25143 c. 14 880

Hots

- a. 3 litres b. 250 g

Hots Questions

1. b. 2. a. 3. a. 4. c. 5. c. 6. a.

Time to Fun

- a. 10 m b. 10 ml c. 1 cm d. 3 kg e. 5 l f. 500 ml

9. Time

Let's review

1. NNNDD
2. 3 2 6
1 4 5

Exercise -9 A

1. 7, seven o'clock, 11 : 30, half past eleven, 1 : 30, half past 1 one, 8 : 30, half past eight.
2. Do it yourself.

Exercise -9 B

1. a. 6 : 45 b. 3 : 45 c. 7 : 15 d. 5 : 15
2. Do it yourself.

Exercise -9 C

1. Do it yourself.

Exercise -9 D

1. a. Wednesday b. Thursday, Saturday c. Wednesday d. Thursday
2. Friday 3. Friday 4. Sunday

Project

Do it yourself.

Mental Maths

September, March,
November, January
June, October

Exercise -9 E

1. a. 12 b. 36 c. 24 d. 14 e. 180 f. 30
2. a. February b. December c. April d. November e. January f. 366 g. year

3. **Column A** **Column B**
26 January Republic Day
5 September Teacher's Day
14 November Children's Day
25 December Christmas Day
2 October Gandhi Jayanti
15 August Independence Day

Exercise -9 F

Do it yourself.

Hots Questions

1. a. 2. b. 3. c

Time to Fun

1. More than 1 hour
2. More than 1 minute
3. About 1 minute
4. More than 1 hour
5. More than 1 hour
6. About 1 minute

Maths Lab Activity

Do it yourself.

10. Money

Let's review

Do it yourself.

Exercise -10 A

1. a. 15 b. 8 c. 25 d. 23
2. Do it yourself.

Exercise -10 B

1. b. ` 6.40 c. ` 8.30 d. ` 15.50 e. ` 28.75
2. b. Eleven rupees and twenty five

paise. c. Forty five rupees and forty paise. d. Forty two rupees and fifty five paise. e. Ten rupees and seventy paise.

Exercise -10 C

Add the following rupees and paise :

- a. 33.45 b. 75.25 c. 28.75 d. 68.00
e. 343.75 f. 264.90

Exercise -10 D

Subtract the following :

- a. 14.50 b. 30.25 c. 33.75 d. 55.25
e. 21.00 f. 141.25

Exercise -10 E

Solve the following :

1.

○	₹
48	00
+	30
75	
78	75

2.

○	₹
500	00
-	250
00	
250	00

₹ 78.75 ₹ 250

3.

○	₹
40	00
+	65
50	
105	50

4.

○	₹
275	50
-	72
10	
203	40

₹ 105.50

₹ 203.40

Hots Questions

Tick (✓) the correct choice :

1. (b) 2. (a) 3. (b)

Time to Fun

1.

○	₹
4	0
-	2
5	
1	5

2.

○	₹
35	00
+	45
00	
80	00

Papa's by ₹ 15

₹ 80

3.

○	₹
30	00
+	20
00	
50	00

₹ 50

11. Fractions

Let's review

Do it yourself.

Exercise -11 A

Do it yourself.

Exercise -11 B

Do it yourself.

Exercise -11 C

Do it yourself.

12. Data Handling

Let's review

Do it yourself.

Now, count and write.

7 1
6 4
4

Exercise -12 A

Do it yourself .

Hots Questions

1. (b) 2. (a) 3. (c)

Time to Fun

- a. four b. fish c. 8 d. 17 e. turtle

Project

Do yourself.

13. Patterns

Do it yourself.

Exercise -13 B

Complete the following number patterns:

- a. 56 63 70 77 84
b. 48 56 64 72 80
c. 14 17 20 23 26
d. 125 130 135 140 145
e. 44 48 52 50 60
f. 90 92 94 96 98

Mode Test Paper -1

Do yourself.

Mode Test Paper -2

Do yourself.

MY FIRST MATHEMATICS-3

1. Numbers up to 5-digits

Let's review

Write the numbers in words marked on the T-shirt of :

128 429
925 235

Exercise -1 A

- a. 1452 b. 1305
- a. four thousand two hundred thirty six b. one thousand seven hundred eighty five c. five thousand six hundred thirty two d. Three thousand one hundred ninety. e. eight thousand one hundred twelve.
- a. 1310 b. 5627 c. 9200 d. 7117 e. 2612 f. 9467
- a. 8996, 8998, 8999, 9000 (b) 1250, 1251, 1252, 1253, 1254 (c) 3521, 3522, 3523, 3524, 3525 (d) 5168, 5169, 5170, 5171, 5172

Exercise -1 B

- a. 3 b. 20 c. 900 d. 700 e. 9 f. 200 g. 2000 h. 4000
- a. 50, 5 b. 700, 7 c. 5000, 5 d. 7, 7
- a. 9, 9, 9, 9 b. 8, 6, 4, 2 c. 2, 6, 5, 4 d. 5, 3, 2, 1 e. 4, 3, 1, 6
- a. (iii) b. (ii) c. (iii)
- Do it yourself.

Exercise -1 C

- a. 9069, 9169, 9269 b. 8769, 8669, 8569
- a. $3462 - 1 = 3461$, $3462 + 1 = 43463$ b. $7999 - 1 = 7998$, $7999 + 1 = 8000$ c. $4789 - 1 = 4788$, $4789 + 1 = 4790$ d. $6240 - 1 = 6239$, $6240 + 1 = 6241$

Exercise -1 D

- a. $<$ b. $<$ c. $>$ d. $<$ e. $>$ f. $<$
- a. 3942, 3241 b. 2414, 2824 c. 4562, 4120 d. 8346, 8921

- a. 1021, 2895, 4326, 5298 b. 1234, 1742, 2462, 7321 c. 4399, 5243, 8714, 9274 d. 2469, 4357, 7325, 8724
- a. 9328, 8828, 8429, 8102 b. 8108, 6818, 6178, 6128 c. 8745, 8270, 8100, 5321 d. 5269, 4269, 4239, 2346
- a. 9 b. 6 c. 9 d. 8 e. 6 f. 6
- a. 2 b. 1 c. 2 d. 4 e. 1 f. 2

Exercise -1 E

- a. 130 b. 460 c. 3130 d. 1860 e. 2180
- a. 500 b. 3900 c. 4200 d. 1400 e. 3200
- a. iii. b. ii.

Hots Questions

- c. 2. a. 3. b. 4. c.

Time to Fun

Do it yourself.

2. Addition

Let's review

I C E C R E A M
153 264 89 264 29 89 121 100

Exercise -2 A

- a. 9122 b. 9310 c. 4212 d. 1301 e. 1514 f. 500

Exercise -2 B

- a.

Th	H	T	O
3	2	5	5
+	2	2	4
5	4	9	5

 b.

Th	H	T	O
4	3	5	1
+	1	3	4
5	6	9	6
- c.

Th	H	T	O
1	1	3	7
+	6	4	1
7	5	4	8

 d.

Th	H	T	O
4	6	8	2
+	4	2	0
8	8	8	8

e.
$$\begin{array}{r} \text{Th H T O} \\ 4\ 4\ 7\ 1 \\ + 1\ 3\ 0\ 0 \\ \hline 5\ 7\ 7\ 1 \end{array}$$

f.
$$\begin{array}{r} \text{Th H T O} \\ 9\ 0\ 3\ 2 \\ + 9\ 6\ 7 \\ \hline 9\ 9\ 9\ 9 \end{array}$$

g.
$$\begin{array}{r} \text{Th H T O} \\ 3\ 4\ 2\ 3 \\ + 5\ 3\ 6\ 5 \\ \hline 8\ 7\ 8\ 8 \end{array}$$

h.
$$\begin{array}{r} \text{Th H T O} \\ 7\ 5\ 4\ 1 \\ + 1\ 2\ 4\ 7 \\ \hline 8\ 7\ 8\ 8 \end{array}$$

2. a. 7000 b. 8677 c. 6738 d. 9999
e. 7789 f. 3599 g. 9487 h. 9756 i. 7889

Exercise -2 C

1. a.
$$\begin{array}{r} \text{Th H T O} \\ \bullet\ \bullet\ 1 \\ 1\ 6\ 3\ 6 \\ + 3\ 2\ 2\ 5 \\ \hline 4\ 8\ 6\ 1 \end{array}$$

b.
$$\begin{array}{r} \text{Th H T O} \\ 1\ 1\ 1 \\ 3\ 7\ 0\ 9 \\ + 4\ 2\ 9\ 5 \\ \hline 8\ 0\ 0\ 4 \end{array}$$

c.
$$\begin{array}{r} \text{Th H T O} \\ 1\ 1\ 1 \\ 4\ 6\ 6\ 8 \\ + 4\ 7\ 3\ 7 \\ \hline 9\ 4\ 0\ 5 \end{array}$$

d.
$$\begin{array}{r} \text{Th H T O} \\ 1\ \bullet\ 1 \\ 3\ 9\ 5\ 3 \\ + 4\ 7\ 3\ 7 \\ \hline 8\ 6\ 9\ 0 \end{array}$$

e.
$$\begin{array}{r} \text{Th H T O} \\ \bullet\ \bullet\ \bullet \\ 6\ 7\ 2\ 1 \\ + 3\ 0\ 6\ 6 \\ \hline 9\ 7\ 8\ 7 \end{array}$$

f.
$$\begin{array}{r} \text{Th H T O} \\ 1\ 1\ 1 \\ 2\ 9\ 6\ 9 \\ + 5\ 2\ 9\ 7 \\ \hline 8\ 2\ 6\ 6 \end{array}$$

g.
$$\begin{array}{r} \text{Th H T O} \\ 1\ 2\ 2 \\ 7\ 4\ 2\ 9 \\ + 1\ 4\ 7\ 6 \\ \hline 9\ 6\ 0\ 0 \end{array}$$

h.
$$\begin{array}{r} \text{Th H T O} \\ 1\ 2\ 2 \\ 5\ 3\ 5\ 9 \\ + 1\ 8\ 4\ 3 \\ \hline 7\ 6\ 5\ 0 \end{array}$$

2. a. 9760 b. 7717 c. 6528 d. 9134 e. 8818
f. 8398 g. 8624 h. 9175

Exercise -2 D

a. 92 b. 967 c. 1249 d. 2188 e. 1631
f. 817 g. 8414 h. 8679 i. 5357 j. 7117
k. 6215 l. 8007 m. 9659 n. 800

Exercise -2 E

1.
$$\begin{array}{r} \text{Th H T O} \\ 3\ 2\ 8\ 5 \\ + 2\ 8\ 7\ 5 \\ \hline 6\ 1\ 6\ 0 \end{array}$$

2.
$$\begin{array}{r} \text{Th H T O} \\ 1\ 4\ 0\ 5 \\ + 3\ 4\ 8\ 5 \\ + 9\ 6\ 9 \\ \hline 6\ 3\ 5\ 9 \end{array}$$

3.
$$\begin{array}{r} \text{Th H T O} \\ 2\ 4\ 6\ 0 \\ + 3\ 7\ 0\ 9 \\ + 3\ 1\ 6\ 5 \\ \hline 9\ 3\ 3\ 4 \end{array}$$

4.
$$\begin{array}{r} \text{Th H T O} \\ 2\ 9\ 2\ 8 \\ + 5\ 0\ 2\ 1 \\ \hline 7\ 9\ 4\ 9 \end{array}$$

5.
$$\begin{array}{r} \text{Th H T O} \\ 2\ 1\ 1\ 8 \\ + 3\ 1\ 8\ 1 \\ \hline 5\ 2\ 9\ 9 \end{array}$$

Hots Questions

1. b. 2. a. 3. a. 4. c.

3. Subtraction

Exercise -3 A

1. a.
$$\begin{array}{r} \text{Th H T O} \\ 7\ 4\ 6\ 2 \\ - 1\ 3\ 2\ 1 \\ \hline 6\ 1\ 4\ 1 \end{array}$$

b.
$$\begin{array}{r} \text{Th H T O} \\ 5\ 4\ 3\ 7 \\ - 1\ 3\ 2\ 5 \\ \hline 4\ 1\ 1\ 2 \end{array}$$

c.
$$\begin{array}{r} \text{Th H T O} \\ 6\ 9\ 5\ 0 \\ - 3\ 7\ 4\ 0 \\ \hline 3\ 2\ 1\ 0 \end{array}$$

d.
$$\begin{array}{r} \text{Th H T O} \\ 2\ 6\ 8\ 9 \\ - 1\ 4\ 3\ 8 \\ \hline 1\ 2\ 5\ 1 \end{array}$$

e.
$$\begin{array}{r} \text{Th H T O} \\ 7\ 0\ 5\ 5 \\ - 1\ 0\ 2\ 0 \\ \hline 6\ 0\ 3\ 5 \end{array}$$

f.
$$\begin{array}{r} \text{Th H T O} \\ 9\ 8\ 1\ 7 \\ - 8\ 7\ 0\ 4 \\ \hline 1\ 1\ 1\ 3 \end{array}$$

g.
$$\begin{array}{r} \text{Th H T O} \\ 5\ 4\ 9\ 0 \\ - 3\ 3\ 6\ 0 \\ \hline 2\ 1\ 3\ 0 \end{array}$$

h.
$$\begin{array}{r} \text{Th H T O} \\ 2\ 6\ 8\ 9 \\ - 2\ 4\ 1\ 3 \\ \hline 0\ 2\ 7\ 6 \end{array}$$

$$\begin{array}{r}
 \text{Th} \text{H} \text{T} \text{O} \\
 7 \ 5 \ 0 \ 8 \\
 - 3 \ 1 \ 0 \ 5 \\
 \hline
 4 \ 4 \ 0 \ 3
 \end{array}$$

2. (a) 2621 b. 1122 c. 221 d. 1542
 e. 2329 f. 6245 3. (a) 1825 b. 1101
 c. 3210 d. 4302 e. 5122 f. 4310

Exercise -3 B

1. (a) 0 b. 0 c. 0 d. 4000 e. 1 f. 3649
 g. 1600 h. 0 2. (a) 6384 b. 6709 c.
 7771 d. 4863 e. 6771 f. 3869

Exercise -3 C

$$\begin{array}{r}
 \text{1. a. } \text{Th} \text{H} \text{T} \text{O} \\
 6 \ 0 \ 7 \ 2 \\
 - 4 \ 1 \ 7 \ 5 \\
 \hline
 1 \ 8 \ 9 \ 7
 \end{array}$$

$$\begin{array}{r}
 \text{b. } \text{Th} \text{H} \text{T} \text{O} \\
 7 \ 7 \ 0 \ 1 \\
 - 2 \ 2 \ 0 \ 8 \\
 \hline
 5 \ 4 \ 9 \ 3
 \end{array}$$

$$\begin{array}{r}
 \text{c. } \text{Th} \text{H} \text{T} \text{O} \\
 8 \ 9 \ 8 \ 6 \\
 - 5 \ 8 \ 6 \ 7 \\
 \hline
 3 \ 1 \ 1 \ 9
 \end{array}$$

$$\begin{array}{r}
 \text{d. } \text{Th} \text{H} \text{T} \text{O} \\
 4 \ 3 \ 7 \ 2 \\
 - 2 \ 5 \ 0 \ 5 \\
 \hline
 1 \ 8 \ 6 \ 7
 \end{array}$$

$$\begin{array}{r}
 \text{e. } \text{Th} \text{H} \text{T} \text{O} \\
 7 \ 5 \ 7 \ 3 \\
 - 3 \ 0 \ 2 \ 5 \\
 \hline
 4 \ 5 \ 4 \ 8
 \end{array}$$

$$\begin{array}{r}
 \text{f. } \text{Th} \text{H} \text{T} \text{O} \\
 9 \ 7 \ 8 \ 6 \\
 - 8 \ 8 \ 9 \ 4 \\
 \hline
 8 \ 9 \ 2
 \end{array}$$

$$\begin{array}{r}
 \text{g. } \text{Th} \text{H} \text{T} \text{O} \\
 6 \ 2 \ 7 \ 2 \\
 - 2 \ 5 \ 0 \ 5 \\
 \hline
 3 \ 7 \ 6 \ 7
 \end{array}$$

$$\begin{array}{r}
 \text{h. } \text{Th} \text{H} \text{T} \text{O} \\
 9 \ 7 \ 8 \ 6 \\
 - 8 \ 8 \ 6 \ 7 \\
 \hline
 0 \ 9 \ 1 \ 9
 \end{array}$$

$$\begin{array}{r}
 \text{i. } \text{Th} \text{H} \text{T} \text{O} \\
 7 \ 4 \ 7 \ 9 \\
 - 6 \ 0 \ 9 \ 0 \\
 \hline
 1 \ 3 \ 8 \ 9
 \end{array}$$

Exercise -3 D

1. (a) 1841 b. 2087 c. 3470 d. 761 e.
 5497 f. 2005 g. 4196 h. 1730 i. 2377

Exercise -3 E

1.
$$\begin{array}{r}
 1 \ 9 \ 7 \ 5 \\
 - 8 \ 9 \ 8 \\
 \hline
 1 \ 0 \ 7 \ 7
 \end{array}$$
 Boys
2.
$$\begin{array}{r}
 2 \ 7 \ 8 \ 4 \\
 - 1 \ 2 \ 3 \ 8 \\
 \hline
 1 \ 5 \ 4 \ 6
 \end{array}$$
 Farmers
3.
$$\begin{array}{r}
 6 \ 0 \ 0 \ 0 \\
 - 2 \ 7 \ 0 \ 0 \\
 \hline
 3 \ 3 \ 0 \ 0
 \end{array}$$
 apples
4.
$$\begin{array}{r}
 9 \ 0 \ 0 \ 0 \\
 - 8 \ 9 \ 1 \ 8 \\
 \hline
 0 \ 8 \ 2
 \end{array}$$
5.
$$\begin{array}{r}
 9 \ 9 \ 9 \ 9 \\
 - 1 \ 0 \ 0 \\
 \hline
 9 \ 8 \ 9 \ 9
 \end{array}$$
6.
$$\begin{array}{r}
 5 \ 0 \ 9 \ 8 \\
 - 3 \ 2 \ 1 \ 5 \\
 \hline
 1 \ 8 \ 8 \ 3
 \end{array}$$
7.
$$\begin{array}{r}
 7 \ 0 \ 0 \ 0 \\
 - 5 \ 1 \ 0 \ 7 \\
 \hline
 1 \ 8 \ 9 \ 3
 \end{array}$$
8.
$$\begin{array}{r}
 9 \ 2 \ 8 \ 7 \\
 - 7 \ 5 \ 9 \ 0 \\
 \hline
 1 \ 6 \ 9 \ 7
 \end{array}$$

Exercise -3 F

1. a. $(8976 - 5100) + 1000 = 3876 + 1000 = 4876$
- b. $(7188 - 3188) + 870 = 4000 + 870 = 4870$
- c. $(4310 + 520) - 2100 = 48300 - 2100 = 2730$
- d. $(5318 + 1011) - 3133 = 6329 - 3133 = 3196$
- e. $3825 + 1888 - 900 = 5713 - 900 = 4613$
- f. $7618 - 1000 + 2000 = 9618 - 1000 = 8618$
- g. $7154 - 3938 + 1000 = 8154 - 3930$

- h. $8188 + 560 - 3186 = 8748 - 3186 = 5562$
2. a. $(3210 + 5780) - 4379 = 9090 - 4379 = 8711$
- b. $999 - (237 + 450) = 999 - 687 = 312$
- c. $(6318 + 3000) - 7816 + 345 = 9318 - 8161 = 1157$
- d. $1500 - (778 + 379) = 1500 - 1157 = 343$
- e. $8999 - (543 + 2500) = 8999 - 7937 = 1062$

4. Multiplication

Exercise -4 F

1. a.

H	T	O
2	6	
×	1	2
5	2	
+	2	6
×	3	1
3	1	2
- b.

H	T	O
1	6	
×	1	5
8	0	
+	1	6
×	5	4
5	4	0
- c.

H	T	O
5	4	
×	1	8
4	3	2
+	5	4
×	9	7
9	7	2
- d.

H	T	O
4	9	
×	2	8
3	3	8
+	9	8
×	1	3
1	3	1
1	3	1
1	3	1
1	3	1
1	3	1

3. a.

Th	H	T	O
1	4	5	
×	1	6	
8	7	0	
+	1	4	5
×	2	2	0
2	2	2	0
- b.

Th	H	T	O
2	6	5	
×	2	1	
2	6	5	
+	5	3	0
×	5	5	6
5	5	6	5

- c.

Th	H	T	O
1	3	9	
×	1	5	
6	9	5	
+	1	3	9
×	2	0	8
2	0	8	5
- d.

Th	H	T	O
1	8	4	
×	3	6	
1	1	0	4
+	5	5	2
×	6	6	2
6	6	2	4

Exercise -4 G

1.

Th	H	T	O
2	1	2	
×	7		
1	4	4	7
2.

Th	H	T	O
1	1	4	9
×	8		
9	1	9	2
3.

Th	H	T	O
4	8		
×	5	4	
2	5	9	2
4.

Th	H	T	O
2	4	2	
×	1	5	
3	6	3	0
5.

Th	H	T	O
2	5	7	
×	3	2	
8	2	2	4

5. Division

Exercise -5 D

1. a.

11
8)88
8↓
×
8
×
8
×
8
- b.

34
2)68
6↓
×
8
×
8
×
8
- c.

31
3)93
9↓
×
3
×
9
×
9
- d.

11
9)99
9↓
×
9
×
9
×
9
- e.

33
3)99
9↓
×
9
×
9
×
9
- f.

48
2)68
6↓
×
8
×
8
×
8
- g.

23
3)69
6↓
×
9
×
9
×
9
- h.

32
3)96
9↓
×
6
×
6
×
6

i.	j.	k.	l.
$\begin{array}{r} 12 \\ 4\overline{)48} \\ 4\downarrow \\ \hline \times 8 \\ 8 \\ \hline \times \end{array}$	$\begin{array}{r} 41 \\ 2\overline{)82} \\ 8\downarrow \\ \hline \times 2 \\ 2 \\ \hline \times \end{array}$	$\begin{array}{r} 40 \\ 2\overline{)80} \\ 8\downarrow \\ \hline \times 0 \\ \hline \times \end{array}$	$\begin{array}{r} 11 \\ 7\overline{)77} \\ 7\downarrow \\ \hline \times 7 \\ 7 \\ \hline \times \end{array}$

2.

a.	b.	c.	d.
$\begin{array}{r} 12 \\ 3\overline{)38} \\ 3\downarrow \\ \hline \times 8 \\ - 6 \\ \hline 2 \end{array}$	$\begin{array}{r} 32 \\ 2\overline{)65} \\ 6\downarrow \\ \hline \times 5 \\ 4 \\ \hline 1 \end{array}$	$\begin{array}{r} 21 \\ 4\overline{)85} \\ 8\downarrow \\ \hline \times 5 \\ 4 \\ \hline 1 \end{array}$	$\begin{array}{r} 31 \\ 3\overline{)94} \\ 9\downarrow \\ \hline \times 4 \\ 3 \\ \hline 1 \end{array}$

e.	f.	g.	h.
$\begin{array}{r} 15 \\ 5\overline{)76} \\ 5\downarrow \\ \hline 26 \\ 25 \\ \hline 1 \end{array}$	$\begin{array}{r} 21 \\ 3\overline{)65} \\ 6\downarrow \\ \hline \times 5 \\ 3 \\ \hline 2 \end{array}$	$\begin{array}{r} 19 \\ 5\overline{)96} \\ 5\downarrow \\ \hline 46 \\ 45 \\ \hline 1 \end{array}$	$\begin{array}{r} 12 \\ 6\overline{)74} \\ 6\downarrow \\ \hline 14 \\ 12 \\ \hline 2 \end{array}$

Exercise -5 E

1.	
a.	b.
$\begin{array}{r} 220 \\ 3\overline{)660} \\ -6\downarrow \\ \hline 6 \\ -6\downarrow \\ \hline 00 \\ -00 \\ \hline 0 \end{array}$	$\begin{array}{r} 101 \\ 9\overline{)909} \\ -9\downarrow \\ \hline 00 \\ 0\downarrow \\ \hline 9 \\ -9 \\ \hline 0 \end{array}$

c.	d.
$\begin{array}{r} 101 \\ 5\overline{)505} \\ -5\downarrow \\ \hline 00 \\ -0\downarrow \\ \hline 05 \\ -05 \\ \hline 0 \end{array}$	$\begin{array}{r} 211 \\ 4\overline{)844} \\ -8\downarrow \\ \hline 04 \\ 04\downarrow \\ \hline 04 \\ -04 \\ \hline 0 \end{array}$

e.	f.
$\begin{array}{r} 333 \\ 3\overline{)999} \\ -9\downarrow \\ \hline 09 \\ 09\downarrow \\ \hline 09 \\ -09 \\ \hline 0 \end{array}$	$\begin{array}{r} 244 \\ 2\overline{)488} \\ -4\downarrow \\ \hline 08 \\ 08\downarrow \\ \hline 08 \\ -08 \\ \hline 0 \end{array}$

g.	h.
$\begin{array}{r} 143 \\ 2\overline{)286} \\ -2\downarrow \\ \hline 8 \\ -8\downarrow \\ \hline 06 \\ 06 \\ \hline 0 \end{array}$	$\begin{array}{r} 100 \\ 6\overline{)600} \\ -6\downarrow \\ \hline 00 \\ -0\downarrow \\ \hline 00 \\ -00 \\ \hline 0 \end{array}$

i.	j.
$\begin{array}{r} 134 \\ 2\overline{)268} \\ -2\downarrow \\ \hline 06 \\ 06\downarrow \\ \hline 08 \\ -08 \\ \hline 0 \end{array}$	$\begin{array}{r} 101 \\ 6\overline{)666} \\ -6\downarrow \\ \hline 06 \\ 06\downarrow \\ \hline 06 \\ -06 \\ \hline 0 \end{array}$

2.	
a.	b.
$\begin{array}{r} 82 \\ 7\overline{)580} \\ -56\downarrow \\ \hline 20 \\ 14 \\ \hline 6 \end{array}$	$\begin{array}{r} 67 \\ 4\overline{)271} \\ 24\downarrow \\ \hline 31 \\ 28 \\ \hline 3 \end{array}$

c.	d.
$\begin{array}{r} 94 \\ 5\overline{)472} \\ 45\downarrow \\ \hline 22 \\ 20 \\ \hline \times \end{array}$	$\begin{array}{r} 115 \\ 6\overline{)693} \\ 6\downarrow \\ \hline \times 9 \\ 6\downarrow \\ \hline 33 \\ -30 \\ \hline 3 \end{array}$

e.
$$\begin{array}{r} 437 \\ 2 \overline{) 875} \\ \underline{-8} \\ 07 \\ \underline{-6} \\ 15 \\ \underline{-14} \\ 1 \end{array}$$

f.
$$\begin{array}{r} 201 \\ 3 \overline{) 605} \\ \underline{-6} \\ 00 \\ \underline{-0} \\ 05 \\ \underline{-3} \\ 2 \end{array}$$

m.
$$\begin{array}{r} 302 \\ 3 \overline{) 907} \\ \underline{-9} \\ 00 \\ \underline{-0} \\ 07 \\ \underline{-6} \\ 1 \end{array}$$

n.
$$\begin{array}{r} 331 \\ 2 \overline{) 663} \\ \underline{-6} \\ 06 \\ \underline{06} \\ 03 \\ \underline{-2} \\ 1 \end{array}$$

g.
$$\begin{array}{r} 113 \\ 7 \overline{) 791} \\ \underline{-7} \\ 09 \\ \underline{-7} \\ 21 \\ \underline{-21} \\ 0 \end{array}$$

h.
$$\begin{array}{r} 101 \\ 4 \overline{) 405} \\ \underline{-4} \\ 00 \\ \underline{-0} \\ 05 \\ \underline{-4} \\ 1 \end{array}$$

o.
$$\begin{array}{r} 111 \\ 6 \overline{) 667} \\ \underline{-6} \\ 06 \\ \underline{06} \\ 07 \\ \underline{-06} \\ 1 \end{array}$$

i.
$$\begin{array}{r} 111 \\ 3 \overline{) 334} \\ \underline{-3} \\ 03 \\ \underline{03} \\ 04 \\ \underline{-3} \\ 1 \end{array}$$

j.
$$\begin{array}{r} 112 \\ 8 \overline{) 896} \\ \underline{-8} \\ 09 \\ \underline{08} \\ 16 \\ \underline{-16} \\ 0 \end{array}$$

k.
$$\begin{array}{r} 110 \\ 7 \overline{) 773} \\ \underline{-7} \\ 07 \\ \underline{07} \\ 03 \\ \underline{-0} \\ 3 \end{array}$$

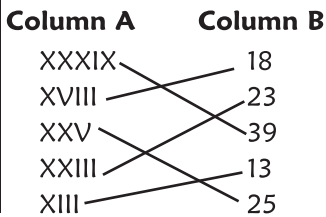
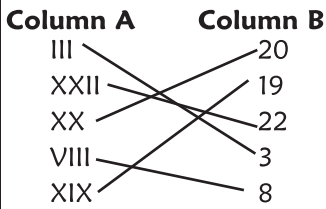
l.
$$\begin{array}{r} 212 \\ 4 \overline{) 849} \\ \underline{-8} \\ 04 \\ \underline{04} \\ 09 \\ \underline{-08} \\ 1 \end{array}$$

Exercise -5 H

1. a. $93 \div 3 = 21$
- b. $60 \div 5 = 12$
- c. $812 \div 7 = 116$
- d. $615 \div 5 = 123$
- e. $672 \div 6 = 112$
- f. $456 \div 6 = 76$
- g. $144 \div 9 = 16$
- h. $3656 \div 8 = 457$

6. Roman Numerals

Exercise -6 A



7. Shapes

Do it yourself.

8. Fractions

Do it yourself.

9. Measurement

Exercise -9 B

- $7 \text{ m} \times 1000 = 7000 \text{ cm}$
 - $20 \text{ m} \times 1000 + 86 \text{ cm}$
 $= 20000 + 86$
 $= 20086 \text{ cm}$
 - $10 \text{ m} \times 1000 + 16 \text{ cm}$
 $= 10000 + 16$
 $= 10016 \text{ cm}$
 - $24 \text{ m} \times 1000 + 80 \text{ cm}$
 $= 24000 + 80$
 $= 24080 \text{ cm}$
 - $16 \text{ m} \times 1000 + 63 \text{ cm}$
 $= 16000 + 63$
 $= 16063 \text{ cm}$
 - $38 \text{ m} \times 1000 + 40 \text{ cm}$
 $= 38000 + 40$
 $= 38040$
- $4 \text{ km} \times 1000 = 4000 \text{ m}$
 - $8 \text{ km} \times 1000 + 180 \text{ m}$
 $= 8000 + 180$
 $= 8180 \text{ m}$
 - $700 \text{ cm} \div 100 = 7 \text{ m}$
 - $6 \text{ km} \times 1000 = 6000 \text{ m}$
 - $2 \text{ km} \times 1000 + 86 \text{ m}$
 $= 2000 + 86$
 $= 2086 \text{ m}$
 - $4 \text{ km} \times 1000 + 670 \text{ m}$
 $= 4000 + 670 \text{ m}$
 $= 4670 \text{ m}$
- $109 \text{ cm} \div 100 = 1 \text{ m } 9 \text{ cm}$
 - $629 \text{ cm} \div 100 = 6 \text{ m } 29 \text{ cm}$
 - $443 \text{ cm} \div 100 = 4 \text{ m } 43 \text{ cm}$
 - $7265 \text{ cm} \div 100 = 7 \text{ m } 265 \text{ cm}$
 - $9835 \text{ cm} \div 100 = 98 \text{ m } 35 \text{ cm}$

f. $1923 \text{ cm} \div 100 = 19 \text{ m } 23 \text{ cm}$

- $5000 \text{ m} \div 1000 = 5 \text{ km}$
 - $3000 \text{ m} \div 1000 = 3 \text{ km}$
 - $9000 \text{ m} \div 1000 = 9 \text{ km}$
 - $8000 \text{ m} \div 1000 = 8 \text{ km}$
 - $7000 \text{ m} \div 1000 = 7 \text{ km}$
 - $1000 \text{ m} \div 1000 = 1 \text{ km}$
- $7259 \text{ m} \div 1000 = 7 \text{ km } 259 \text{ m}$
 - $8100 \text{ m} \div 1000 = 8 \text{ km } 100 \text{ m}$
 - $2003 \text{ m} \div 1000 = 2 \text{ km } 3 \text{ m}$
 - $3030 \text{ m} \div 1000 = 3 \text{ km } 30 \text{ m}$
 - $7985 \text{ m} \div 1000 = 7 \text{ km } 985 \text{ m}$
 - $2120 \text{ m} \div 1000 = 2 \text{ km } 120 \text{ m}$

Exercise -9 C

- $7 \text{ kg} \times 1000 = 7000 \text{ g}$
 - $8 \text{ kg} \times 1000 + 780 \text{ g}$
 $= 8000 + 780$
 $= 8780$
 - $4 \text{ kg} \times 1000 = 4000$
 - $7 \text{ kg } 1000 + 25 \text{ g}$
 $= 7000 + 25$
 $= 7025 \text{ g}$
 - $9 \text{ kg} \times 1000 + 450 \text{ g}$
 $= 9000 + 450$
 $= 9450$
 - $5 \text{ kg} \times 1000 + 454 \text{ g}$
 $= 5000 + 454$
 $= 5454 \text{ g}$
 - $5 \text{ kg} \times 1000 + 76 \text{ g}$
 $= 5000 + 76$
 $= 5076 \text{ g}$
 - $3 \text{ kg} \times 1000 + 340 \text{ g}$
 $= 3000 + 340$
 $= 3340$
 - $6 \text{ kg} \times 1000 + 540 \text{ g}$
 $= 6000 + 540 \text{ g}$
 $= 6540 \text{ g}$
- $2000 \text{ g} \div 1000 = 2 \text{ kg}$
 - $5000 \text{ g} \div 1000 = 5 \text{ kg}$
 - $4088 \text{ g} \div 1000 = 4 \text{ kg } 88 \text{ g}$
 - $2070 \text{ g} \div 1000 = 2 \text{ kg } 70 \text{ g}$

- e. $1645 \text{ g} \div 1000 = 1 \text{ kg } 645 \text{ g}$
 f. $6789 \text{ g} \div 1000 = 6 \text{ kg } 789 \text{ g}$
 g. $8500 \text{ g} \div 1000 = 8 \text{ kg } 500 \text{ g}$
 h. $3123 \text{ g} \div 1000 = 3 \text{ kg } 123 \text{ g}$
 i. $7870 \text{ g} \div 1000 = 7 \text{ kg } 870 \text{ g}$

Exercise -9 D

- $1 \text{ L} \times 1000 = 9000 \text{ mL}$
 - $3 \text{ L} \times 1000 + 440 \text{ mL} = 3440 \text{ mL}$
 - $7 \text{ L} \times 1000 + 4 \text{ mL} = 7000 + 4 = 7004 \text{ mL}$
 - $8 \text{ L} \times 1000 + 675 \text{ mL} = 8000 + 675 = 8675 \text{ mL}$
 - $5 \text{ L} \times 1000 + 720 \text{ mL} = 5000 + 720 \text{ mL}$
 - $6 \text{ L} \times 1000 + 880 \text{ mL} = 6000 + 880 = 6850 \text{ mL}$
- $14000 \text{ mL} \div 1000 = 1400 \text{ L}$
 - $6000 \text{ mL} \div 1000 = 6 \text{ L}$
 - $9876 \text{ mL} \div 1000 = 9.876 \text{ L}$
 - $7765 \text{ mL} \div 1000 = 7.765 \text{ L}$
 - $2343 \text{ mL} \div 1000 = 2.343$
 - $8004 \text{ mL} \div 1000 = 8.004 \text{ L}$

Exercise -9 F

- | | |
|--------------|--------------|
| 1. m cm | 2. m cm |
| 25 35 | 45 65 |
| + 40 64 | - 19 36 |
| + 16 39 | <u>26 29</u> |
| <u>82 38</u> | |
- | | |
|---------------|---------------|
| 3. l mL | 4. kg g |
| 25 300 | 4 450 |
| - 14 850 | + 5 350 |
| <u>10 450</u> | + 6 600 |
| | <u>16 400</u> |
- | | |
|---------------|---------------|
| 5. kg g | 6. L mL |
| 89 010 | 65 560 |
| - 76 450 | - 47 450 |
| <u>125 60</u> | <u>18 110</u> |

10. Time and Calendar

Exercise -10 C

- $7 \text{ hours} \times 60 = 420 \text{ min}$
 - $16 \text{ hours} \times 60 = 960 \text{ min}$
 - $9 \text{ hours} \times 60 = 540 \text{ min}$
 - $10 \text{ hours} \times 60 + 15 \text{ minutes} = 600 + 15 = 615 \text{ min}$
 - $13 \text{ hours} \times 60 + 25 \text{ minutes} = 780 + 25 = 805 \text{ min}$
 - $2 \text{ hours} \times 60 + 45 \text{ minutes} = 120 + 45 = 165 \text{ min}$
 - $4 \frac{1}{2} = \frac{9}{2} \times 60 = 270 \text{ min}$
 - $6 \text{ hours} \times 60 + 50 \text{ minutes} = 3600 + 50 = 3650 \text{ min.}$
 - $117 \text{ hours} \times 60 = 4820 \text{ min.}$
- $245 \text{ minutes and } 3 \text{ hours} \times 60 + 15 = 180 + 15 = 195 \text{ minutes.}$
So Vineet travelled faster.
- $1 \text{ hour} \times 60 + 20 = 60 + 20 = 80 \text{ minutes.}$

11. Money

Exercise -11 F

- $35.50 - 17.75 = ₹ 17.75$
- $15.88 + 8.50 + 5.50 = ₹ 28.88$
- $18.50 + 7.75 = ₹ 76.25$
- $100 - (35.50 + 18.75) = 100.00 - 54.25 = ₹ 45.75$
- $90.40 \div 8 = ₹ 9.55$
- $89.75 \times 8 = ₹ 716.00$
- $294 \div 6 = ₹ 49$
- $15.50 \times 5 = ₹ 77.50$

Exercise -11 G

- Do it yourself.
- Pastry ` $35 \times 1 = 35.00$
Burgers ` $28.75 \times 2 = 57.50$
Juice ` $50.50 \times 1 = 50.50$
 $= 143.00$
- Hot coffee ` $12.50 \times 1 = 12.50$
Cold coffee ` $18.50 \times 1 = 18.50$
Club sandwich ` $30.25 \times 2 = 60.50$

French fries ` $25.00 \times 1 = 25.00$
Coleslaw sandwich ` $32.25 \times 3 = 96.75$
Cheese burger ` 30.00
 $= 173.25$

12. Data Handling

Do it yourself.

13. Patterns and Symmetry

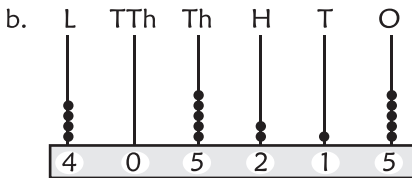
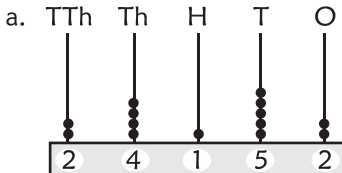
Do it yourself.

MY FIRST MATHEMATICS-4

1. Number System

Exercise -1 A

5.



Exercise -1 B

- $379543 = 9000 (9 \times 1000)$
 - $876943 = 70000 (7 \times 10000)$
 - $990431 = 900000 (9 \times 100000)$
 - $237196 = 7196 (7 \times 1000)$

Exercise -1 D

- Do it yourself.
- $1000 - 1 = 999$
 - $1000000 - 1 = 999999$
 - $110000 - 1 = 9999$
 - $1000000 - 1 = 999999$

- $100000 - 1 = 99999$
- $10000000 - 1 = 9999999$

Exercise -1 E

- $26,573 = 26,570$
 - $24,587 = 24,590$
 - $23,675 = 23,670$
 - $1,45,789 = 1,45,790$
 - $5,35,781 = 5,35,780$
 - $3,65,926 = 3,65,930$
- $13,476 = 13,500$
 - $25,595 = 25,700$
 - $18,566 = 18,600$
 - $1,23,567 = 1,23,600$
 - $8,92,365 = 8,92,400$
 - $2,69,525 = 2,69,500$
- $23,675 = 24,700$
 - $10,947 = 11,000$
 - $28,196 = 28,000$
 - $3,45,238 = 3,5,000$
 - $6,23,567 = 6,24,000$
 - $7,95,325 = 7,96,000$

2. Addition

Exercise -2 E

$$\begin{array}{r} 1. \quad 32 \ 126 \\ + 29 \ 089 \\ + 16 \ 321 \\ \hline 77 \ 536 \end{array}$$

$$\begin{array}{r} 2. \quad 366115 \\ + 433999 \\ \hline 800114 \end{array}$$

$$\begin{array}{r} 3. \quad 24 \ 600 \\ + 62 \ 575 \\ \hline 87 \ 175 \end{array}$$

$$\begin{array}{r} 4. \quad 22 \ 640 \\ + 56 \ 88 \\ \hline 28 \ 328 \end{array}$$

$$\begin{array}{r} 5. \quad 99999 \\ + 100000 \\ \hline 199999 \end{array}$$

$$\begin{array}{r} 6. \quad 33629 \\ + 4213 \\ \hline 37842 \end{array}$$

$$\begin{array}{r} 7. \quad 18464 \\ + 17634 \\ \hline 26098 \end{array}$$

$$\begin{array}{r} 8. \quad 386123 \\ + 86129 \\ \hline 472252 \end{array}$$

3. Subtraction

Exercise -3 E

$$\begin{array}{r} 1. \quad 210783 \\ - 18215 \\ \hline 228998 \end{array}$$

$$\begin{array}{r} 2. \quad 112506 \\ - 3934 \\ \hline 8572 \end{array}$$

$$\begin{array}{r} 3. \quad 44652 \\ - 2689 \\ \hline 41963 \end{array}$$

$$\begin{array}{r} 4. \quad 47985 \\ - 15999 \\ \hline 31986 \end{array}$$

$$\begin{array}{r} 5. \quad 255600 \\ - 98300 \\ \hline 157300 \end{array}$$

$$\begin{array}{r} 6. \quad 50000 \\ - 63754 \\ \hline 486246 \end{array}$$

$$\begin{array}{r} 7. \quad 45221 \\ - 12313 \\ \hline 32908 \end{array}$$

$$\begin{array}{r} 8. \quad 210515 \\ - 137235 \\ \hline 73280 \end{array}$$

4. Multiplication

Exercise -4 C

$$\begin{array}{r} 1. \ a. \quad 491 \\ \quad \times 89 \\ \hline 4419 \\ 3928 \times \\ \hline 143699 \end{array}$$

$$\begin{array}{r} b. \quad 2325 \\ \quad \times 52 \\ \hline 4650 \\ 11625 \times \\ \hline 120900 \end{array}$$

$$\begin{array}{r} c. \quad 651 \\ \quad \times 147 \\ \hline 4557 \\ 2604 \times \\ 651 \times \times \\ \hline 95697 \end{array}$$

4. Multiplication

Exercise -4 E

$$\begin{array}{r} 1. \quad 485 \\ \quad \times 54 \\ \hline 1940 \\ 2425 \times \\ \hline 26190 \end{array}$$

$$\begin{array}{r} 2. \quad 1685 \\ \quad \times 32 \\ \hline 3370 \\ 5065 \times \\ \hline 54020 \end{array}$$

$$\begin{array}{r} 3. \quad 673 \\ \quad \times 25 \\ \hline 3365 \\ 1346 \times \\ \hline 16825 \end{array}$$

$$\begin{array}{r} 4. \quad 4630 \\ \quad \times 12 \\ \hline 9260 \\ 4630 \times \\ \hline 55560 \end{array}$$

$$\begin{array}{r} 6. \quad 235 \\ \quad \times 182 \\ \hline 470 \\ 188 \times \\ 235 \times \times \\ \hline 42770 \end{array}$$

$$\begin{array}{r} 7. \quad 520 \\ \quad \times 155 \\ \hline 2600 \\ 2600 \times \\ 520 \times \times \\ \hline 80000 \end{array}$$

$$\begin{array}{r} 8. \quad 665 \\ \quad \times 285 \\ \hline 3325 \\ 5320 \times \\ 133 \times \times \\ \hline 189525 \end{array}$$

5. Division

Exercise -5 B

1. a.
$$\begin{array}{r} 209 \\ 6 \overline{) 1255} \\ \underline{12} \\ 55 \\ \underline{ 54} \\ 1 \end{array}$$

b.
$$\begin{array}{r} 1188 \\ 6 \overline{) 8318} \\ \underline{72} \\ 31 \\ \underline{ 30} \\ 18 \\ \underline{ 18} \\ 0 \end{array}$$

c.
$$\begin{array}{r} 459 \\ 3 \overline{) 1377} \\ \underline{12} \\ 17 \\ \underline{ 15} \\ 27 \\ \underline{ 27} \\ 0 \end{array}$$

d.
$$\begin{array}{r} 2156 \\ 4 \overline{) 8624} \\ \underline{8} \\ 62 \\ \underline{ 60} \\ 24 \\ \underline{ 24} \\ 0 \end{array}$$

e.
$$\begin{array}{r} 407 \\ 6 \overline{) 2442} \\ \underline{24} \\ 42 \\ \underline{ 42} \\ 0 \end{array}$$

f.
$$\begin{array}{r} 2824 \\ 2 \overline{) 5648} \\ \underline{4} \\ 16 \\ \underline{ 16} \\ 48 \\ \underline{ 48} \\ 0 \end{array}$$

g.
$$\begin{array}{r} 1230 \\ 5 \overline{) 6150} \\ \underline{5} \\ 11 \\ \underline{ 10} \\ 15 \\ \underline{ 15} \\ 0 \end{array}$$

2. a.
$$\begin{array}{r} 747 \\ 6 \overline{) 4483} \\ \underline{42} \\ 28 \\ \underline{ 24} \\ 43 \\ \underline{ 42} \\ 1 \end{array}$$

b.
$$\begin{array}{r} 203 \\ 5 \overline{) 1017} \\ \underline{10} \\ 17 \\ \underline{ 15} \\ 2 \end{array}$$

c.
$$\begin{array}{r} 3104 \\ 3 \overline{) 9314} \\ \underline{9} \\ 31 \\ \underline{ 30} \\ 14 \\ \underline{ 12} \\ 2 \end{array}$$

d.
$$\begin{array}{r} 782 \\ 2 \overline{) 1565} \\ \underline{14} \\ 16 \\ \underline{ 16} \\ 5 \\ \underline{ 4} \\ 1 \end{array}$$

e.
$$\begin{array}{r} 2004 \\ 3 \overline{) 6012} \\ \underline{6} \\ 01 \\ \underline{ 01} \\ 2 \\ \underline{ 2} \\ 0 \end{array}$$

f.
$$\begin{array}{r} 125 \\ 7 \overline{) 2275} \\ \underline{21} \\ 17 \\ \underline{ 14} \\ 35 \\ \underline{ 35} \\ 0 \end{array}$$

g.
$$\begin{array}{r} 633 \\ 2 \overline{) 1266} \\ \underline{12} \\ 66 \\ \underline{ 66} \\ 0 \end{array}$$

h.
$$\begin{array}{r} 340 \\ 9 \overline{) 3064} \\ \underline{27} \\ 36 \\ \underline{ 36} \\ 4 \\ \underline{ 4} \\ 0 \end{array}$$

$$\begin{array}{r} 28 \\ 8 \overline{) 227} \\ \underline{16} \\ 67 \\ \underline{64} \\ 3 \end{array}$$

$$\begin{array}{r} 162 \\ 15 \overline{) 2436} \\ \underline{15} \\ 93 \\ \underline{90} \\ 36 \\ \underline{30} \\ 6 \end{array}$$

$$\begin{array}{r} 36 \\ 35 \overline{) 1275} \\ \underline{105} \\ 225 \\ \underline{210} \\ 15 \end{array}$$

$$\begin{array}{r} 162 \\ 15 \overline{) 2436} \\ \underline{15} \\ 93 \\ \underline{90} \\ 36 \\ \underline{30} \\ 6 \end{array}$$

$$\begin{array}{r} 36 \\ 35 \overline{) 1275} \\ \underline{105} \\ 225 \\ \underline{210} \\ 15 \end{array}$$

$$\begin{array}{r} 25 \\ 68 \overline{) 1752} \\ \underline{136} \\ 392 \\ \underline{340} \\ 52 \end{array}$$

$$\begin{array}{r} 111 \\ 12 \overline{) 1436} \\ \underline{12} \\ 23 \\ \underline{12} \\ 16 \\ \underline{12} \\ 4 \end{array}$$

$$\begin{array}{r} 121 \\ 6 \overline{) 729} \\ \underline{6} \\ 12 \\ \underline{12} \\ \times 9 \\ 6 \\ \underline{3} \end{array}$$

$$\begin{array}{r} 16 \\ 13 \overline{) 215} \\ \underline{13} \\ 85 \\ \underline{78} \\ 7 \end{array}$$

7. Multiples and Factors

Exercise -7 C

1. a. 2,3
 $2 = 2, 4, 6, 8, 10$
 $3 = 3, 6, 9, 12, 15$
 Ans. 6
- b. 6,2
 $6 = 6, 12, 18$
 $2 = 2, 4, 6, 8, 10$
 Ans. 6
- c. 4,9
 $4 = 4, 8, 12, 16, 20, 24, 28, 32, 36$
 $9 = 9, 18, 27, 36$
 Ans. 36
- d. 12,9,6
 $4 = 12, 24, 36, 48, 60$
 $9 = 9, 18, 27, 36, 45$
 $6 = 6, 12, 18, 24, 30, 36, 42$
 Ans. 36
- e. 5,10,2
 $5 = 5, 10, 15, 20, 25$
 $10 = 10, 20, 30, 40, 50$
 $2 = 2, 4, 6, 8, 10, 12$
 Ans. 10
- f. 8,16,20
 $8 = 8, 16, 24, 32, 40, 48, 56, 64, 72, 80$
 $16 = 16, 32, 48, 64, 80, 96$
 $20 = 20, 40, 60, 80, 100$
 Ans. 80
2. Do it yourself.
3. Do it yourself.
4. a. 8,12
 $8 = 1, 2, 4, 8$
 $12 = 1, 2, 3, 4, 6, 12$
 Ans. 4

b. 10,20

$$10 = 1,2,5,10$$

$$20 = 1,2,4,5,10,20$$

Ans. 10.

c. 15,20

$$15 = 1,3,5,15$$

$$20 = 1,2,4,5,10,20$$

Ans. 5

d. 9,12

$$9 = 1,3,9$$

$$12 = 1,2,3,4,6,8,12$$

Ans. 3

e. 16,24,32

$$16 = 1,2,4,8,16$$

$$24 = 1,2,3,4,6,12,24$$

$$32 = 1,2,4,8,16,32$$

Ans. 4

f. 22,14,18

$$22 = 1,2,11,22$$

$$14 = 1,2,7,14$$

$$18 = 1,2,3,6,9,18$$

Ans. 2

8. Fractions

Exercise -8 E

1. a. $\frac{3}{6} + \frac{1}{6} = \frac{3+1}{6} = \frac{4}{6}$

b. $\frac{3}{5} + 1\frac{1}{5} = \frac{3}{5} + \frac{6}{5} = \frac{3+6}{5} = \frac{9}{5} = 1\frac{4}{5}$

c. $\frac{2}{3} + \frac{5}{6} = \frac{4+5}{6} = \frac{9}{6} = \frac{3}{2} = 1\frac{1}{2}$

d. $2\frac{1}{6} + 1\frac{1}{3} = \frac{13}{6} + \frac{4}{3} = \frac{13+8}{6} = \frac{21}{6} = 3\frac{3}{6} = 3\frac{1}{2}$

2. a. $\frac{4}{9} - \frac{1}{9} = \frac{4-1}{9} = \frac{3}{9}$

b. $2\frac{2}{6} - 1\frac{5}{6} = \frac{14}{6} - \frac{11}{6} = \frac{14-11}{6} = \frac{3}{6} - \frac{1}{2} = \frac{1}{2}$

c. $\frac{7}{10} - \frac{3}{5} = \frac{7-6}{10} = \frac{1}{10}$

d. $7\frac{3}{4} - 7\frac{1}{4} = \frac{31}{4} - \frac{22}{4} = \frac{31-22}{4} = \frac{9}{4} = 2\frac{1}{4}$

Exercise -8 F

1. $1\frac{1}{4} + \frac{3}{4} = \frac{5}{4} + \frac{3}{4} = \frac{5+3}{4} = \frac{8}{4} = 2$

2. $\frac{1}{4} + \frac{1}{4} = \frac{1+1}{4} = \frac{2}{4} = \frac{1}{2}$

3. $1 - \frac{5}{8} = \frac{8-5}{8} = \frac{3}{8}$

4. $\frac{3}{4} - \frac{1}{4} = \frac{3-1}{4} = \frac{2}{4}$

5. $2\frac{1}{5} - 1\frac{3}{5} = \frac{11}{5} - \frac{8}{5} = \frac{11-8}{5} = \frac{3}{5}$

9. Decimals

Do it yourself.

10. Metric Measures

Exercise -10 A

1. a. $5 \text{ km} \times 1000 = 5000 \text{ m}$

b. $25 \text{ m} \times 100 + 70 \text{ cm} = 2500 + 70 = 2570 \text{ cm}$

c. $125 \text{ m} \times 100 + 50 \text{ cm} = 12500 + 50 = 12550 \text{ cm}$

d. $6 \text{ cm} \times 10 + 6 \text{ mm} = 60 + 6 = 66 \text{ mm}$

- e. $6 \text{ kg} \times 1000 + 200 \text{ g} = 6000 + 200 = 6200 \text{ g}$
 f. $8 \text{ g} \times 1000 + 30 \text{ mg} = 8000 + 30 = 8030 \text{ g}$
 g. $2 \text{ kl} \times 1000 \text{ 50 L} = 2000 + 50 = 2050 \text{ L}$
 h. $8 \text{ L} \times 1000 + 600 = 8000 + 600 = 8600 \text{ ml}$
2. a. $900 \text{ cm} \div 100 = 9 \text{ m}$
 b. $765 \text{ mm} \div 10 = 76.5 \text{ cm}$
 c. $2500 \text{ g} \div 1000 = 2 \text{ kg } 500 \text{ g}$
 d. $500 \text{ mL} \div 1000 = 0.5 \text{ l}$
 e. $3400 \text{ m} \div 1000 = 3.4 \text{ km}$
 f. $5305 \text{ mL} \div 1000 = 5.305 \text{ l}$
 g. $749 \text{ cm} \div 100 = 7.49 \text{ cm}$
 h. $3575 \text{ L} \div 1000 = 3.575 \text{ L}$
 i. $1580 \text{ g} \div 1000 = 1.580 \text{ kg}$
3. a. $8459 \text{ g} \div 1000 = 8 \text{ kg } 459 \text{ g}$
 b. $14978 \text{ g} \div 1000 = 14 \text{ kg } 978 \text{ g}$
 c. $24689 \text{ g} \div 1000 = 24 \text{ kg } 689 \text{ g}$
 d. $33000 \text{ g} \div 1000 = 33 \text{ kg}$
4. a. $54000 \text{ m} \div 1000 = 54 \text{ km}$
 b. $65767 \text{ m} \div 1000 = 65 \text{ km } 767 \text{ m}$
 c. $7334 \text{ m} \div 1000 = 7 \text{ km } 334 \text{ m}$
 d. $6144 \text{ m} \div 1000 = 6 \text{ km } 144 \text{ m}$

Exercise -10 B

Do it yourself.

Exercise -10 C

Do it yourself.

Exercise -10 D

Do it yourself.

Exercise -10 E

1.
$$\begin{array}{r} 500 \\ - 298 \\ \hline 202 \end{array}$$
2.
$$\begin{array}{r} \text{L} \quad \text{ML} \\ 46 \quad 450 \\ + 35 \quad 500 \\ + 56 \quad 700 \\ \hline 138 \quad 656 \end{array}$$

3.
$$\begin{array}{r} 456 \text{ m} \\ + 34 \text{ m} \\ + 350 \text{ m} \\ \hline 840 \text{ m} \end{array}$$

4.
$$\begin{array}{r} \text{m} \quad \text{cm} \\ 345 \quad 66 \\ - 234 \quad 15 \\ \hline 111 \quad 51 \end{array}$$

5.
$$\begin{array}{r} \text{m} \quad \text{cm} \\ 2 \quad 60 \\ \times 3 \\ \hline 7 \text{ m } 80 \text{ m} \end{array}$$

6.
$$\begin{array}{r} \text{kg} \quad \text{g} \\ 4500 \\ \times 12 \\ \hline 9000 \\ 54500 \end{array}$$

7.
$$\begin{array}{r} 1250 \text{ g} \\ 4 \overline{) 5000} \\ \underline{4} \\ 10 \\ \underline{8} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

8.
$$\begin{array}{r} 20 \\ 250 \overline{) 5000} \\ \underline{5000} \\ 0 \end{array}$$

9.
$$\begin{array}{r} 100 \\ 5 \overline{) 500} \\ \underline{5} \\ 00 \\ \underline{00} \\ 0 \end{array}$$

$$\begin{array}{r} 100 \\ 4 \overline{) 400} \\ \underline{4} \\ 00 \\ \underline{00} \\ 0 \end{array}$$

11. Geometry

Do it yourself.

12. Time

Exercise -12 C

1. a. $3 \text{ hours} \times 60 = 180 \text{ min}$
 b. $12 \text{ hours} \times 60 = 7200 \text{ min}$
 c. $5 \times 60 = 300 + 30 = 330 \text{ m}$
 d. $13 \text{ hours} \times 60 = 780 + 30 = 810 \text{ m}$
 e. $2 \text{ hours} \times 60 + 40 \text{ min} = 120 + 40 = 160$

- f. $9 \text{ hours} \times 60 + 55 \text{ min} = 540 + 55 = 595$
2. a. $600 \text{ min} \div 60 = 10 \text{ hrs}$
 b. $1076 \text{ min} \div 60 = 17 \text{ hrs } 46 \text{ m}$
 c. $454 \text{ min} \div 60 = 7 \text{ hrs } 34 \text{ m}$
 d. $3480 \text{ min} \div 60 = 58 \text{ hrs}$
 e. $687 \text{ min} \div 60 = 11 \text{ hrs } 27 \text{ m}$
 f. $1006 \text{ min} \div 60 = 16 \text{ hrs } 46 \text{ m}$
3. a. $3 \text{ min} \times 60 + 15 \text{ sec} = 180 + 15 = 195 \text{ sec.}$
 b. $2 \text{ minute} \times 60 = 120 \text{ s}$
 c. $1 \text{ minute} \times 60 = 60 + 30 = 90 \text{ s}$
 d. $4 \text{ min} \times 60 = 240 + 15 = 255 \text{ s}$
 e. $5 \text{ min} \times 60 + 20 \text{ seconds} = 300 + 20 = 320 \text{ s}$
 f. $10 \text{ min} \times 60 = 600 \text{ s}$

Exercise -12 F

1. a.
$$\begin{array}{r} 7 : 30 \\ - 5 : 00 \\ \hline 2 \quad 30 \text{ hrs} \end{array}$$
 b.
$$\begin{array}{r} 12 : 00 \\ - 6 : 00 \\ \hline 6 : 00 \\ + 1 : 30 \\ \hline 7 \quad 30 \text{ hrs} \end{array}$$
- c.
$$\begin{array}{r} 11 : 30 \\ - 06 : 30 \\ \hline 5 \quad 00 \text{ hrs} \end{array}$$
 d.
$$\begin{array}{r} 12 : 00 \\ - 9 : 00 \\ \hline 3 : 00 \\ + 9 : 30 \\ \hline 12 \text{ hrs} \end{array}$$
2.
$$\begin{array}{r} 11 : 55 \\ - 10 : 10 \\ \hline 1 \quad 45 \end{array}$$
3.
$$\begin{array}{r} \text{h} \quad \text{m} \\ 2 : 30 \\ - \quad : 55 \\ \hline 1 \quad 35 \end{array}$$
4.
$$\begin{array}{r} 5 : 20 \\ + 3 : 45 \\ \hline 9 \quad 05 \end{array}$$
 5.
$$\begin{array}{r} 3 : 40 \\ - 2 : 00 \\ \hline 1 \quad 40 \end{array}$$

$$\begin{array}{r} 1 \quad 2 \quad 0 \quad 0 \\ - 9 \quad 0 \quad 0 \\ \hline 3 : 0 \quad 0 \\ + 1 : 4 \quad 0 \\ \hline 4 \quad 4 \quad 0 \end{array}$$

Exercise -12 G

1. a.
$$\begin{array}{r} \text{May} - 22 \text{ days} \\ + 5 \text{ June} - 11 \text{ days} \\ \hline 33 \text{ days} \end{array}$$
- b. $\text{January } 23 (20 - 9) = 11 \text{ Feb}$
- c.
$$\begin{array}{r} \text{July} - 20 \\ \text{Sep} - 17 \\ \hline 37 \text{ days} \end{array}$$

13. Money

Exercise -13 A

Do it yourself.

Exercise -13 B

3. a.
$$\begin{array}{r} 6 \quad 3 \quad 0 \quad . \quad 5 \quad 0 \\ + \quad 5 \quad 8 \quad . \quad 7 \quad 5 \\ \hline 6 \quad 8 \quad 9 \quad . \quad 2 \quad 5 \end{array}$$
- b.
$$\begin{array}{r} 2 \quad 3 \quad 5 \quad . \quad 0 \quad 0 \\ + \quad 2 \quad 5 \quad . \quad 5 \quad 0 \\ \hline 2 \quad 6 \quad 0 \quad . \quad 5 \quad 0 \\ 5 \quad 0 \quad 0 \quad . \quad 0 \quad 0 \\ + 2 \quad 6 \quad 0 \quad . \quad 5 \quad 0 \\ \hline 2 \quad 3 \quad 9 \quad . \quad 5 \quad 0 \end{array}$$
- c.
$$\begin{array}{r} 9 \quad 5 \quad 0 \quad 0 \quad . \quad 0 \quad 0 \\ + \quad 2 \quad 1 \quad 8 \quad . \quad 5 \quad 0 \\ \hline 9 \quad 7 \quad 1 \quad 8 \quad . \quad 5 \quad 0 \end{array}$$

Exercise -13 C

3. a.
$$\begin{array}{r} 4 \quad 1 \quad 5 \quad . \quad 5 \quad 0 \\ \quad \quad \quad . \quad \times 4 \\ \hline 1 \quad 6 \quad 6 \quad 2 \quad . \quad 0 \quad 0 \end{array}$$

$$\begin{array}{r}
 \text{b. } 1117.5 \\
 \quad \times 12 \\
 \hline
 2235100 \\
 1117550 \\
 \hline
 13410600
 \end{array}$$

$$\begin{array}{r}
 \text{c. } 4 \overline{)960.40} \\
 \underline{8} \\
 16 \\
 \underline{16} \\
 \times \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 10 \\
 4 \overline{)40} \\
 \underline{4} \\
 \times \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{d. } 6 \overline{)126.60} \\
 \underline{12} \\
 \times 6 \\
 \underline{6} \\
 \times \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 10 \\
 6 \overline{)60} \\
 \underline{6} \\
 \times 0 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{e. } 15 \overline{)26.45} \\
 \underline{15} \\
 \times 9 \\
 \underline{900} \\
 45 \\
 \hline
 945 \\
 \underline{63} \\
 6 \overline{)945} \\
 \underline{90} \\
 45 \\
 \underline{45} \\
 \times \\
 \hline
 \end{array}$$

Exercise -13 D

Fountain pens $30.50 \times 2 = 61.00$

Registers $35.00 \times 2 = 70.00$

$$\begin{array}{r}
 131.00 \\
 \hline
 500.00 \\
 + 131.00 \\
 \hline
 369.00
 \end{array}$$

14. Perimeter and Area

Exercise -14 A

6. a. Perimeter = $4 \times \text{side} = 4 \times 30 = 120$

cm = 1 m 20 cm

b. Perimeter = $2(l + b) = 2(150 + 120)$

= $2 \times 270 = 540$ m

$520 \times 2 = 1040$ m

c. Perimeter = $2(l + b) = 2(96 + 64) = 2 \times 160$

= 3200 m

$3200 \times 4 = 12800$

Exercise -14 C

4. a. Area of plot = Length \times Breadth

= 12×24

= 288 m²

b. Area of square

= side \times side

= 8×8

= 64 sq. m.

c. Area of room

= Length \times breadth

= 8×6

= 48 m²

48×15

= 710

15. Data Handling

Do it yourself.

16. Patterns and Symmetry

Do it yourself.

MY FIRST MATHEMATICS-5

1. Large Numbers

Do it yourself.

2. Addition and Subtraction

Exercise -2 C

$$\begin{array}{r} 1. \quad 9841628 \\ + 3764162 \\ \hline 13605790 \end{array}$$

$$\begin{array}{r} 2. \quad 5523800 \\ \quad 849350 \\ \hline 6373150 \end{array}$$

$$\begin{array}{r} 3. \quad 4841628 \\ + 3764162 \\ \hline 13605790 \end{array}$$

$$\begin{array}{r} 4. \quad 463841 \\ \quad 214576 \\ \hline 678417 \end{array}$$

$$\begin{array}{r} 5. \quad 1834869 \\ + 25286147 \\ \hline 27121016 \end{array}$$

$$\begin{array}{r} 6. \quad 7656322 \\ - 6299388 \\ \hline 1362834 \end{array}$$

3. Multiplication and Division

Exercise -3 A

Do it yourself.

Exercise -3 B

Do it yourself.

Exercise -3 C

Do it yourself.

Exercise -3 D

Do it yourself

Exercise -3 E

$$\begin{array}{r} 1. \quad 723495 \\ \quad \times 48 \\ \hline 5787960 \\ 2893980 \times \\ \hline 34727760 \end{array}$$

$$\begin{array}{r} 2. \quad 1483 \\ \quad \times 108 \\ \hline 11864 \\ 0000 \times \\ 1483 \times \times \\ \hline 160164 \end{array}$$

$$\begin{array}{r} 3. \quad 589376 \\ \quad \times 212 \\ \hline 1178752 \\ 589376 \times \\ 1178752 \times \times \\ \hline 12497712 \times \times \end{array}$$

$$\begin{array}{r} 4. \quad 16439 \\ \quad \times 52 \\ \hline 82195 \\ 32878 \times \\ \hline 410975 \end{array}$$

$$\begin{array}{r} 5. \quad 216 \overline{) 1172880} \\ \quad \underline{1080} \quad \downarrow \quad \downarrow \quad \downarrow \\ \quad \quad 928 \quad \downarrow \quad \downarrow \\ \quad \quad \underline{864} \quad \downarrow \\ \quad \quad \quad 648 \\ \quad \quad \quad \underline{648} \\ \quad \quad \quad \quad \times 0 \end{array}$$

3.	2	120, 180, 240
	2	60, 90, 120
	2	30, 45, 60
	3	15, 45, 30
	5	5, 15, 10
		1, 3, 2

$$2 \times 2 \times 2 \times 3 \times 5 \times 3 \times 2 = 720$$

4.	2	30, 70, 120, 216
	2	15, 35, 60, 108
	2	15, 35, 30, 54
	3	15, 35, 15, 27
	5	5, 35, 5, 9
		1, 7, 1, 3

$$2 \times 2 \times 2 \times 3 \times 5 \times 7 \times 3 = 2520$$

5.	2	72, 144, 216
	2	36, 72, 108
	2	18, 36, 54
	3	9, 18, 27
	3	3, 6, 9
		1, 2, 3

$$2 \times 2 \times 2 \times 3 \times 3 \times 2 \times 3 = 432$$

5. Fractions

Exercise -5 D

- $$5 \frac{1}{5} + 2 \frac{1}{2} = \frac{26}{5} + \frac{5}{2}$$

$$= \frac{25 + 25}{10} = \frac{77}{10} = 7 \frac{7}{10}$$
- $$3 \frac{1}{9} + 6 \frac{4}{9} + 1 \frac{7}{9} = \frac{28}{9} + \frac{58}{9} +$$

$$\frac{16}{9} = \frac{28 + 58 + 16}{9} = \frac{102}{9} =$$

$$11 \frac{3}{9}$$
- $$3 \frac{3}{4} + \frac{5}{6} = \frac{9 + 10}{12} = \frac{19}{12} = 1 \frac{7}{12}$$

- $$3 \frac{1}{4} - 1 \frac{2}{5} = \frac{8}{4} - \frac{7}{5} = \frac{40 - 28}{20}$$

$$= \frac{12}{20} = \frac{3}{5}$$
- $$36 \frac{4}{5} - (12 \frac{7}{10} + 8 \frac{11}{15}) = \frac{184}{5} -$$

$$(\frac{127}{10} + \frac{131}{15}) = \frac{184}{5} -$$

$$(\frac{381 + 262}{30}) = \frac{643}{30} = 21 \frac{13}{30}$$
- $$7 \frac{1}{4} - \frac{1}{6} = \frac{29}{4} - \frac{7}{6} = \frac{87 - 14}{12}$$

$$= \frac{73}{12} = 6 \frac{1}{12}$$

Exercise -5 E

- $$\frac{1}{\cancel{8}_2} \times \cancel{12}^3 = \frac{3}{2} = 1 \frac{1}{2}$$
 - $$\frac{1}{\cancel{3}} \times \cancel{21}^7 = 7$$
 - $$\frac{4}{\cancel{6}} \times \cancel{30}^5 = 20$$
 - $$\frac{5}{\cancel{21}_3} \times \cancel{35}^5 = \frac{25}{3} = 8 \frac{1}{3}$$
 - $$\frac{3}{\cancel{7}} \times \cancel{42}^6 = 18$$
 - $$\frac{5}{\cancel{6}} \times \cancel{246}^{41} = 205$$
- $$\frac{\cancel{3}^3}{\cancel{4}_2} \text{ by } \frac{\cancel{2}}{8} = \frac{3}{16}$$
- $$\frac{1}{4} \text{ of } \cancel{500}^{125} = 125$$

Exercise -5 G

- $$\frac{3}{5} \text{ by } 3 = \frac{\cancel{3}}{5} \times \frac{1}{\cancel{3}} = \frac{1}{5}$$
 - $$\frac{3}{2} \text{ by } 6 = \frac{\cancel{3}}{2} \times \frac{1}{\cancel{6}_2} = \frac{1}{4}$$
 - $$8 \frac{1}{2} \text{ by } 2 = \frac{17}{2} \times \frac{1}{2} = \frac{17}{4} = 4 \frac{1}{4}$$
 - $$\frac{\cancel{5}^5}{\cancel{12}_3} \times \frac{\cancel{4}}{3} = \frac{5}{9}$$

$$e. 6 \text{ by } 8 = \cancel{6} \times \frac{1}{\cancel{8}_4} = \frac{3}{4}$$

$$f. 72 \text{ by } \frac{6}{7} = \frac{12}{\cancel{72}} \times \frac{7}{\cancel{6}} = 84$$

$$2. a. \frac{2}{5} \div \frac{15}{7} = \frac{2}{5} \times \frac{7}{15} = \frac{14}{75}$$

$$b. \frac{5}{6} \div 10 = \frac{\cancel{5}}{6} \times \frac{1}{\cancel{10}_2} = \frac{1}{12}$$

$$c. \frac{7}{8} \div \frac{1}{6} = \frac{7}{\cancel{8}_4} \times \frac{3}{\cancel{6}} = \frac{21}{4}$$

$$= 5 \frac{1}{4}$$

$$d. 9 \frac{1}{3} \div 1 \frac{3}{5}$$

$$= \frac{28}{3} \div \frac{8}{5} = \frac{\cancel{28}_7}{3} \times \frac{5}{2}$$

$$= \frac{35}{6} = 5 \frac{5}{6}$$

$$e. 4 \frac{1}{3} \div 12 \frac{2}{3}$$

$$= \frac{13}{3} \div \frac{38}{3}$$

$$= \frac{13}{\cancel{3}} \times \frac{\cancel{3}}{38} = \frac{13}{38}$$

$$f. 10 \frac{1}{2} \div 1 \frac{13}{22}$$

$$= \frac{21}{2} \div \frac{35}{22}$$

$$= \frac{\cancel{21}_3}{2} \times \frac{\cancel{22}_{11}}{\cancel{35}_5}$$

$$= \frac{33}{5} = 6 \frac{3}{5}$$

Exercise -5 H

$$1. 50 \frac{4}{5} \times 25$$

$$= \frac{\cancel{50}_{25} 4}{\cancel{5}} \times \cancel{25} = 1270$$

$$2. 4 \frac{4}{5} \times 3 \frac{1}{3} = \frac{\cancel{4}_4}{5} \times \frac{\cancel{10}_2}{\cancel{3}} = 16 \text{ km}$$

$$3. \frac{4}{9} \div 4 = \frac{\cancel{4}}{9} \times \frac{1}{\cancel{4}} = \frac{1}{9}$$

$$4. 9 \frac{3}{5} \div 8 \frac{3}{10} = \frac{48}{5} \div \frac{83}{10}$$

$$= \frac{\cancel{48}_8}{5} \times \frac{\cancel{10}_2}{83} = \frac{96}{83} = 1 \frac{13}{83}$$

$$5. 53 \frac{3}{4} \div \frac{4}{5} = \frac{215}{4} \times \frac{5}{4} = 10$$

$$= \frac{215}{4} \times \frac{1}{5} = \frac{43}{4} = 10 \frac{3}{4} \text{ L}$$

$$6. 1 - \frac{4}{5} = \frac{5-4}{5} = \frac{1}{5} = \frac{\cancel{43}}{4} \times \frac{1}{\cancel{5}}$$

$$= \frac{43}{4} = 10 \frac{3}{4} \text{ L}$$

6. Decimal Numbers

Exercise -6 D

$$1. a. \begin{array}{r} 12.480 \\ + 18.287 \\ \hline 30.767 \end{array} \quad b. \begin{array}{r} 16.34 \\ + 13.20 \\ \hline 29.55 \end{array}$$

$$c. \begin{array}{r} 216.468 \\ + 131.030 \\ \hline 347.498 \end{array} \quad d. \begin{array}{r} 125.810 \\ + 79.097 \\ + 0.780 \\ \hline 205.687 \end{array}$$

$$e. \begin{array}{r} 231.331 \\ + 23.310 \\ + 2.100 \\ + 0.001 \\ \hline 256.742 \end{array} \quad f. \begin{array}{r} 43.600 \\ 96.870 \\ 8.974 \\ + 0.100 \\ \hline 149.544 \end{array}$$

$$2. a. \begin{array}{r} 2.015 \\ - 0.580 \\ \hline 1.435 \end{array} \quad b. \begin{array}{r} 2.70 \\ - 0.55 \\ \hline 1.15 \end{array}$$

$$c. \begin{array}{r} 63.72 \\ - 38.40 \\ \hline 25.32 \end{array} \quad d. \begin{array}{r} 4.0100 \\ - 1.3817 \\ \hline 2.6283 \end{array}$$

$$\begin{array}{r} \text{e. } 33.100 \\ - 9.637 \\ \hline 23.963 \end{array}$$

$$\begin{array}{r} \text{f. } 500000 \\ - 276814 \\ \hline 223.186 \end{array}$$

$$\begin{array}{r} \text{3. a. } 71.26 \\ + 40.79 \\ \hline 112.05 \\ - 31.8 \\ \hline 80.25 \end{array}$$

$$\begin{array}{r} \text{b. } 15.24 \\ + 10.9 \\ \hline 28.14 \\ - 6.35 \\ \hline 21.79 \end{array}$$

$$\begin{array}{r} \text{c. } 99.99 \\ + 30.20 \\ \hline 130.19 \\ - 9.80 \\ \hline 120.39 \end{array}$$

$$\begin{array}{r} \text{d. } 21.46 \\ + 17.21 \\ \hline 38.700 \\ - 20.149 \\ \hline 18.551 \end{array}$$

$$\begin{array}{r} \text{e. } 27.9 \\ + 8.5 \\ \hline 36.400 \\ - 13.709 \\ \hline 22.691 \end{array}$$

$$\begin{array}{r} \text{f. } 308.15 \\ + 891.50 \\ \hline 1199.650 \\ - 340.751 \\ \hline 858.899 \end{array}$$

Exercise -6 E

$$\begin{array}{r} \text{1. a. } 6.5 \\ \times 7 \\ \hline 45.5 \end{array}$$

$$\begin{array}{r} \text{b. } 4.21 \\ \times 19 \\ \hline 3789 \\ 4210 \\ \hline 79.99 \end{array}$$

$$\begin{array}{r} \text{c. } 13.1 \\ \times 9.2 \\ \hline 262 \\ 11790 \\ \hline 120.52 \end{array}$$

$$\begin{array}{r} \text{d. } 12.61 \\ \times 1.4 \\ \hline 5044 \\ 12610 \\ \hline 17.654 \end{array}$$

$$\begin{array}{r} \text{e. } 9.75 \\ \times 0.29 \\ \hline 8775 \\ 19500 \\ \hline 2.8275 \end{array}$$

$$\begin{array}{r} \text{f. } 0.478 \\ \times 0.6 \\ \hline 0.2868 \end{array}$$

$$\begin{array}{r} \text{2. a. } 16.25 \\ \times 10 \\ \hline 0000 \\ 16250 \\ \hline 162.50 \end{array}$$

$$\begin{array}{r} \text{b. } 13.836 \\ \times 100 \\ \hline 00000 \\ 000000 \\ 1383600 \\ \hline 1383.600 \end{array}$$

$$\begin{array}{r} \text{c. } 28.6251 \\ \times 1000 \\ \hline 000000 \\ 0000000 \\ 00000000 \\ 286251000 \\ \hline 28625.1000 \end{array}$$

$$\begin{array}{r} \text{d. } 6234.5 \\ \times 10 \\ \hline 00000 \\ 623450 \\ \hline 62345.0 \end{array}$$

$$\begin{array}{r} \text{e. } 300.50 \\ \times 100 \\ \hline 00000 \\ 000000 \\ 3005000 \\ \hline 30050.00 \end{array}$$

$$\begin{array}{r} \text{f. } 4.909 \\ \times 1000 \\ \hline 0000 \\ 00000 \\ 000000 \\ 4909.000 \\ \hline 4909.000 \end{array}$$

$$\begin{array}{r} \text{3. } 0.9365 \\ \times 8.73 \\ \hline 28095 \\ 655550 \\ 7492000 \\ \hline 8.175645 \end{array}$$

Exercise -6 F

1. a.
$$\begin{array}{r} 6.8 \\ 3 \overline{) 20.4} \\ \underline{-18} \\ 24 \\ \underline{-24} \\ 00 \end{array}$$

b.
$$\begin{array}{r} 40.53 \\ 6 \overline{) 243.18} \\ \underline{24} \\ 31 \\ \underline{-30} \\ 18 \\ \underline{-18} \\ 00 \end{array}$$

Thus, $20.4 \div 3 = 6.8$

Thus, $343.18 \div 6 = 40.53$

c. $4.235 \div 2.5$

$$= \frac{4.235 \times 10}{2.5 \times 10}$$

$$= \frac{42.35}{25} = 25 \overline{) 243.5}$$

$$\begin{array}{r} 1.694 \\ 25 \overline{) 243.5} \\ \underline{-25} \\ 173 \\ \underline{-150} \\ 235 \\ \underline{-225} \\ 100 \\ \underline{-100} \\ 0 \end{array}$$

Thus, $4.235 \div 2.5 = 1.694$

d. $0.108 \div 0.09$

$$= \frac{0.108 \times 100}{0.09 \times 100} = \frac{10.8}{9}$$

$$= 1.2$$

$$\begin{array}{r} 1.2 \\ 9 \overline{) 10.8} \\ \underline{-9} \\ 18 \\ \underline{-18} \\ 0 \end{array}$$

Thus, $0.08 \times 0.09 = 1.2$

e. $10.4192 \div 3.2$

$$= \frac{10.4192 \times 10}{3.2 \times 10} = \frac{104.192}{32}$$

$$= 3.256$$

$$32 \overline{) 104.192}$$

$$\begin{array}{r} 3.256 \\ 32 \overline{) 104.192} \\ \underline{-96} \\ 81 \\ \underline{-64} \\ 179 \\ \underline{-160} \\ 192 \\ \underline{-192} \\ 0 \end{array}$$

Thus, $10.4192 \div 3.2 = 3.256$

f. $204.4 \div 0.35$

$$= \frac{204.4 \times 100}{0.35 \times 100} = \frac{20440}{35}$$

$$= 584$$

$$35 \overline{) 20440}$$

$$\begin{array}{r} 584 \\ 35 \overline{) 20440} \\ \underline{-175} \\ 294 \\ \underline{-280} \\ 140 \\ \underline{-140} \\ 0 \end{array}$$

Thus, $204.4 \div 0.35 = 584$

2. a. $10.9 \div 10$

$$= \frac{40.9}{10 \times 100} = \frac{109}{100} = 1.09$$

b. $75.75 \div 10$

$$= \frac{75.75}{10 \times 100} = \frac{7575}{1000} = 7.575$$

c. $180 \div 75 \div 100$

$$= \frac{180.75}{100 \times 100} = \frac{18075}{10000}$$

$$= 1.8075$$

d. $167.8 \div 100$

$$= \frac{167.8}{100 \times 10} = \frac{1678}{1000} = 1.678$$

e. $6079 \div 1000$

$$= \frac{6079}{1000} = 6.079$$

f. $615.4 \div 1000$

$$= \frac{6154}{1000 \times 10} = \frac{6154}{10000} = 0.6154$$

Exercise -6 G

<p>1. a. 136.75</p> $\begin{array}{r} 136.75 \\ + 134.60 \\ \hline 271.35 \end{array}$	<p>2. b. 236.5</p> $\begin{array}{r} 236.5 \\ + 127.8 \\ \hline 108.7 \end{array}$
---	---

3. 102.1

$$\begin{array}{r} 102.1 \\ - 98.5 \\ \hline 3.6 \end{array}$$

3.6 Raskhika

4. $45 \div 12$

$$= \frac{15}{\cancel{45}^1} \times \frac{1}{\cancel{12}_4} = \frac{15}{4} = 3.75$$

5. 263

$$= \frac{\cancel{131.5}^8 \times \cancel{16}^8}{\cancel{10}^2} = 236 \times 8 = 2104$$

6. $0.245 \times \frac{15.4}{105}$

$$= \frac{\cancel{0.245}^{200}}{1000} \times \frac{\cancel{15.4}^{77}}{105} = \frac{3773}{1000} = 3.773 \text{ kg}$$

7. $\frac{237.45}{100} \times \frac{1}{5}$

$$= \frac{\cancel{237.45}^{4749}}{100} \times \frac{1}{5} = \frac{4749}{100} = 47.49$$

7. Percentage

Exercise -7 C

6. a. 75 of 60 % = $\cancel{75}^3 \times \frac{\cancel{60}^{15}}{100}$

= 45 kg

b. 540 of 75 %

$$= \cancel{540}^{135} \times \frac{\cancel{75}^3}{100} = 135 \times 3 = 405$$

c. 80 of $\frac{30}{100}$ = 24 kg

d. $15\cancel{00}^{65}$ of $\frac{65}{100}$ = 975

8. Money

Exercise -8 A

1. In 8 hours he travels = 320
In 1 hour he travels = $320 \div 8$
= 40 km

2. The cost of 5 chocolates = 265
The cost of 1 chocolate = $265 \div 5$
= ` 53

Questions 3-8 do the same.

Exercise -8 B

4. a. Profit = SP - CP = 5900 - (4800 + 700)
= 5900 - 5500
= ` 400

b. Profit = SP - C.P
= 480 - 350
= ` 130

c. SP = CP + Profit
= (80000 + 5000 + 1000) + 21500
= 86000 + 21500
= ` 107500

- d. Loss = CP – SP
= 6900 – 6825
= ₹ 75
- e. SP = CP + Profit
= 56.50 + 11.25
= ₹ 67.75

Exercise -8 C

1. a. Profit = S.P – CP
= 650 – 600 = 50
Profit % = $\frac{\text{Profit}}{\text{CP}} \times 100\%$
= $\frac{50}{600} \times 100$
= $\frac{50}{6} = 8.33$

Do it yourself b. to g.

Exercise -8 D

1. a. SI = $\frac{P \times R \times T}{100} = \frac{300 \times 8 \times 1}{100}$
= 24
- Do the same b. to d.
2. I = $\frac{P \times R \times T}{100} = \frac{4000 \times 5 \times 1}{100}$
= 200
- b. to d. do the same.
3. SI = $\frac{P \times R \times T}{100} = \frac{1800 \times 4 \times 5}{100}$
= ₹ 360

Do the same b. to e.

9. Average

2. Average rainfall
= $\frac{\text{Sum of (total Rainfalls)}}{\text{No. of days}}$
= $\frac{45+56+79+90+48+40+20}{7}$
= $\frac{378}{7}$
= 54

$$= 54 \text{ cm}$$

Do the same.

10. Speed, Distance and Time

Exercise -10 A

2. Speed = $\frac{\text{Distance}}{\text{Time}} = \frac{96}{3} = 32 \text{ km}$

Do the same b. to e.

11. Time and Temperature

Exercise -11 B

2.
$$\begin{array}{r} 0725 \\ 0450 \\ \hline 0275 \text{ hours} \end{array}$$
3.
$$\begin{array}{r} 12.00 \\ - 9.50 \\ \hline 2.10 \\ + 7.10 \\ \hline 9.20 \text{ hours} \end{array}$$
4.
$$\begin{array}{r} 12 : 30 \\ - 8 : 10 \\ \hline 4 : 20 \text{ hours} \end{array}$$
5.
$$\begin{array}{r} 12 : 10 \\ - 3 : 30 \\ \hline 8 : 40 \text{ hours} \end{array}$$
6.
$$\begin{array}{r} 12 : 00 \\ - 9 : 10 \\ \hline 2 : 50 \text{ hours} \end{array}$$
- $$\begin{array}{r} 2 : 50 \\ - 7 : 10 \\ \hline 18 : 50 \text{ hours} \end{array}$$

12. Lines and Angles

Do it yourself.

13. Polygons and Circles

Exercise -13 A

5. We know that
 $\angle A + \angle B + \angle C = 180^\circ$
 $\Rightarrow 95^\circ + 72^\circ + \angle C = 180^\circ$

