



Brilliant Mathematics

Teacher's Manual

Class I & II

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Chapter 2 : Number 1 to 9

Page 12 : Count and Write

7	1	9
4	6	
3	8	
5	2	

Page 13 : Write the missing number

1	2	3	4	5				
1	2	3	4	5	6	7		
1	2	3	4	5	6	7	8	9

Page 15 : Before Between After

Just Before	In Between	Just After
7, 8	7, 8, 9	2, 3
6, 7	1, 2, 3	1, 2
5, 6	3, 4, 5	3, 4

Page 18 : Put the correct sign $>$, $<$ or $=$

$7 > 4$	$8 > 7$	$5 > 4$
$1 < 2$	$7 = 7$	$6 = 6$
$9 > 4$	$5 < 9$	$2 < 7$
$3 < 7$	$7 > 6$	$1 < 9$

Circle the smallest numeral :

6	5	4
3	1	2

Circle the greater numeral :

6	7	9
8	4	5
9	8	9

Chapter 3 : Number 1 to 9

Page 23 : Count and Write

15
12

18

14

17

16

Page 24 : Before Between After

Just Before	In Between	Just After
11	11	10
16	10	14
18	15	20
14	19	18
9	14	13
15	18	19
12	20	17
13	13	12

Page 25 : Put the correct sign $>$, $<$ or $=$ in the circle :

$17 < 19$

$15 < 17$

$16 = 16$

$18 < 19$

$20 > 18$

$19 = 19$

$13 > 10$

Chapter 4 : Number upto 100

Page 31 : Forward Counting

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80

81 82 83 84 85 86 87 88 89 90
91 92 93 94 95 96 97 98 99 100

Page 32 : Backward Counting

100 99 98 97 96 95 94 93 92 91
90 89 88 87 86 85 84 83 82 81
80 79 78 77 76 75 74 73 72 71
70 69 68 67 66 65 64 63 62 61
60 59 58 57 56 55 54 53 52 51
50 49 48 47 46 45 44 43 42 41
40 39 38 37 36 35 34 33 32 31
30 29 28 27 26 25 24 23 22 21
20 19 18 17 16 15 14 13 12 11
10 9 8 7 6 5 4 3 2 1

Page 33 : Arrange the following in ascending order

12 13 17 18
10 14 17 18
11 17 19 20
12 13 18 19
13 16 17 20

Page 34 : Arrange the following in descending order

19 16 15 12
20 17 15 13
19 18 16 11
20 17 12 10
18 17 16 13

Page 36 : Let's Do

a. Write the numerals :

Just Before	In Between	Just After
56	96	76
96	72	100
23	37	48
58	99	71
37	94	49

- B. Put $<$, $>$ or $=$ symbols in the circles
- | | | |
|-----------|------------|-----------|
| $45 < 67$ | $39 > 28$ | $27 < 31$ |
| $72 > 35$ | $47 = 47$ | $28 > 9$ |
| $82 < 85$ | $29 < 39$ | $37 > 24$ |
| $33 = 33$ | $62 < 64$ | $22 = 22$ |
| $19 > 12$ | $98 < 100$ | $46 > 29$ |
- C. Write the number names for the following numerals :
- | | |
|-------------------|------------------|
| 44 - Forty four | 82 - Eighty two |
| 32 - Thirty two | 96 - Ninety six |
| 79 - Seventy nine | 39 - Thirty nine |
- D. Write the numerals for following number names :
- | | |
|----|----|
| 56 | 99 |
| 78 | 52 |
| 35 | 28 |
- E. Arrange in ascending order :
- | | | | |
|----|----|----|----|
| 25 | 28 | 42 | 49 |
| 13 | 20 | 39 | 49 |
| 20 | 21 | 36 | 63 |
- F. Arrange in descending order :
- | | | | |
|----|----|----|----|
| 50 | 45 | 40 | 37 |
| 39 | 31 | 29 | 23 |
| 49 | 47 | 35 | 33 |
- G. Write in expanded form :
- | |
|----------------------|
| 25 - 2 Tens + 5 Ones |
| 37 - 3 Tens + 7 Ones |
| 43 - 4 Tens + 3 Ones |
| 58 - 5 Tens + 8 Ones |
| 64 - 6 Tens + 4 Ones |
- H. Write in short form :
- | |
|----|
| 66 |
| 54 |
| 78 |
| 70 |
| 49 |

Chapter 5 : Addition

A. Add the following by counting forward :

$$10 \quad 11 \quad 12 \quad = \quad 12$$

$$13 \quad 14 \quad = \quad 14$$

$$7 \quad 8 \quad 9 \quad 10 \quad = \quad 10$$

$$26 \quad 27 \quad 28 \quad = \quad 28$$

$$40 \quad = \quad 40$$

Page 40 : Count the number of objects in each collection and fill in the boxes :

$$4 + 5 = 9$$

$$1 + 4 = 5$$

$$5 + 2 = 7$$

$$6 + 2 = 8$$

$$7 + 2 = 9$$

Page 41 : Add down by drawing lines :

$$12 = 1 \text{ Ten} + 2 \text{ Ones}$$

$$15 = 1 \text{ Ten} + 5 \text{ Ones}$$

$$13 = 1 \text{ Ten} + 3 \text{ Ones}$$

$$13 = 1 \text{ Ten} + 3 \text{ Ones}$$

$$16 = 1 \text{ Ten} + 6 \text{ Ones}$$

$$18 = 1 \text{ Ten} + 8 \text{ Ones}$$

Page 44 : Let's Do

Add :

$$68 \quad 66 \quad 89 \quad 65$$

$$95 \quad 98 \quad 98 \quad 77$$

$$98 \quad 66 \quad 56 \quad 98$$

$$39 \quad 69 \quad 89 \quad 85$$

$$95 \quad 97 \quad 69 \quad 68$$

Page 45 : Let's Do

1. $26 + 32 = 58$

2. $32 + 47 = 79$

3. $12 + 06 = 18$

4. $24 + 22 = 46$

Chapter 6 : Subtraction

Page 47 : Let's Do

$$16 - 15 = 14 - 13 = 13$$

$$48 - 47 = 46 - 45 = 44 - 43 = 43$$

$$52 - 51 = 50$$

$$69 - 68 = 67 - 66 = 65$$

$$77 - 76 = 75 - 74 = 74$$

Page 48 : Subtract the following and fill in the boxes

$$7 - 2 = 5$$

$$9 - 5 = 4$$

$$10 - 4 = 6$$

Page 49 : Subtract by drawing line. One has been done for you :

$$2 \quad \quad \quad 6 \quad \quad \quad 3$$

$$7 \quad \quad \quad 4 \quad \quad \quad 1$$

$$3 \quad \quad \quad 1 \quad \quad \quad 8$$

Page 50 : Subtraction on Number Line

$$18 - 6 = 12$$

$$12 - 7 = 5$$

$$14 - 4 = 10$$

Page 52 : Let's Do

Subtract

$$52 - 36 = 33$$

$$51 - 24 = 20$$

$$32 - 41 = 51$$

$$53 - 54 = 71$$

$$22 - 63 = 43$$

Page 53 : Let's Do

1. $88 - 45 = 43$

2. $72 - 20 = 52$

3. $45 - 25 = 20$

4. $54 - 12 = 42$

Chapter 7 : Skip Counting

Page 57 : Continue the pattern by counting in 2's :

26 28 30 32

15 17 19 21

41 43 45 47

Continue the pattern by counting in 3's :

14 17 20 23

24 27 30 33

22 25 28 31

Continue the pattern by counting in 5's :

35 40 45 50

41 46 51 56

33 38 43 48

Continue the pattern by counting in 10's :

50 60 70 80

56 66 76 86

62 72 82 92

Chapter 8 : Multiplication

Page 59 : Write the following as multiplication facts :

4 groups of 3 cherries

$$4 \times 3 = 12$$

8 groups of 2 socks

$$8 \times 2 = 16$$

6 groups of 6 leaves

$$6 \times 6 = 36$$

3 groups of 2 candles

$$3 \times 2 = 6$$

4 groups of 7 flowers

$$4 \times 7 = 28$$

Page 61 : Fill in the blanks :

$$2 \times 8 = 16$$

$$8 \times 4 = 32$$

$$6 \times 2 = 12$$

$4 \times 7 = 28$	$8 \times 9 = 72$	$6 \times 6 = 36$
$3 \times 6 = 18$	$6 \times 4 = 24$	$7 \times 8 = 56$
$5 \times 5 = 25$	$9 \times 3 = 27$	$3 \times 2 = 6$
$7 \times 2 = 14$	$10 \times 5 = 50$	$5 \times 4 = 20$
$4 \times 8 = 32$	$10 \times 7 = 70$	$5 \times 7 = 35$
$6 \times 7 = 42$	$4 \times 5 = 20$	$8 \times 5 = 40$
$8 \times 7 = 56$	$3 \times 9 = 27$	$8 \times 0 = 0$

Page 63 : Let's Do

Multiply

$12 \times 3 = 36$	$31 \times 3 = 93$	$34 \times 2 = 68$
$20 \times 5 = 100$	$23 \times 3 = 69$	$10 \times 7 = 70$
$21 \times 3 = 63$	$14 \times 2 = 28$	$33 \times 3 = 99$
$11 \times 8 = 88$	$22 \times 4 = 88$	$24 \times 2 = 48$

Page 64 : Let's Do

1. $10 \times 2 = 20$
2. $6 \times 8 = 48$
3. $5 \times 2 = 10$
4. $8 \times 8 = 64$

Chapter 9 : Division

Page 67 : Let's Do

Now, Divide :

$8 \div 2 = 4$	$12 \div 3 = 4$	$16 \div 4 = 4$
$18 \div 3 = 6$	$24 \div 4 = 6$	$32 \div 4 = 8$
$24 \div 3 = 8$	$36 \div 4 = 9$	$27 \div 3 = 9$
$6 \div 2 = 3$	$10 \div 2 = 5$	$14 \div 2 = 7$
$9 \div 3 = 3$	$10 \div 5 = 2$	$42 \div 6 = 7$
$15 \div 3 = 5$	$64 \div 8 = 8$	$30 \div 6 = 5$
$21 \div 3 = 7$	$15 \div 5 = 3$	$21 \div 7 = 3$
$12 \div 4 = 3$	$35 \div 5 = 7$	$35 \div 7 = 5$
$20 \div 4 = 5$	$45 \div 5 = 9$	$24 \div 8 = 3$

$$\begin{array}{lll} 49 \div 7 = 7 & 25 \div 5 = 5 & 72 \div 8 = 6 \\ 60 \div 10 = 6 & 18 \div 6 = 3 & 63 \div 9 = 7 \end{array}$$

Chapter 10 : Time

Page 70 : Answer the following questions :

6 a.m.

7 a.m.

8 a.m.

3 p.m.

8 p.m.

9 p.m.

Page 72 : See the clock and write the time :

The short hand points to 1

The long hand points to 12

It is 1 O'clock.

The short hand points to 4

The long hand points to 12

It is 4 O'clock.

The short hand points to 2

The long hand points to 12

It is 2 O'clock.

The short hand points to 9

The long hand points to 12

It is 9 O'clock.

The short hand points to 9

The long hand points to 12

It is 9 O'clock.

The short hand points to 11

The long hand points to 12

It is 11 O'clock.

2. Tick the correct time :

3:30 5:00 7:30 12:00

Chapter 11 : Calendar

Page 76 : Fill in the blanks :

- | | |
|-----------------------|-----------|
| 1. Monday | 2. Sunday |
| 3. Saturday | 4. Third |
| 5. Sunday and Tuesday | 6. Sunday |

Page 77 : Answer the following questions :

Twelve
September
January
December
June
365
June
February
July
August

Chapter 12 : Money

Page 79 : Let's Do

Write the total amount of money in each case :

2 Rs.	40 Rs.
10 Rs.	10 Rs.
10 Rs.	50 Rs.

Answer the following questions :

8
10
6
7
8

Chapter 13 : Making Bill

Page 80 : Find the cost pf these items :

$$R\ 100 + 10 = 110$$

$$R\ 1 + 5 = 6$$

$$R\ 20 + 3 = 23$$

$$R\ 10 + 20 = 30$$

$$R\ 3 + 5 = 8$$

Page 81 : Help the waiter to make the bills

R 45

R 45

R 70

R 86

R 55

R 130

R 75

R 75

Chapter 14 : Measurement

Page 83 : Measure

1. 10

2. one

3. 6

4. 80

Chapter 15 : Shapes

Page 89 : In the above picture, write the number of :

Triangle = 4

Circle = 4

Rectangles = 7

Squares = 5

Page 92 :

B. In the above picture, write the number of :

Triangle = 7

Rectangles = 5

Squares = 4

Circle = 15

C. White squares = 32

Black squares = 32

Chapter 17 : Data Handling

Page 97 : In the above picture, count and write the number of :

Pencils : 4

Erasers : 8

Pens : 8

Sharpeners : 9

Scales : 8

Page 98 : A

1. 2

2. 8

3. 5

4. 3

Page 99 : B

1. 2

2. 2

3. 3

4. Jeetu

Page 100 :

1. 7 8 5 5 3 4 4 6 9

7 8 8

2. 2

3. 2

4. 3

5. 4

6. 7

7. 4

8. 7

Assessment Sheet I

1.
 - a. Four
 - b. Eight
 - c. Six
 - d. Thirteen
 - e. Twenty
 - f. Sixty two
2.
 - a. <
 - b. =
 - c. <
 - d. >
 - e. >
 - f. =
3.
 - a. 14
 - b. 19
 - c. 15
 - d. 12
 - e. 18
 - f. 13

4. a. 19 18 16 11
b. 20 17 14 13
5. a. 14
c. 13
e. 19
6. a. 10
d. 10
7. a. 11 33 55 66
b. 19 28 36 78
c. 12 55 76 96
8. a. 85
b. 99
c. 19
9. $18 - 8 = 10$
10. $5 + 8 = 13$
- b. 17
d. 16
f. 18
- b. 05
e. 14
c. 15
f. 10
- d. 77
e. 64
f. 27

Assessment Sheet II

1. a. 17
b. 20
c. 13
2. a. Twenty
b. Eighteen
c. Six
3. a. 6
b. 7
c. 44
4. a. 22
b. 13
c. 22
5. a. 36 41 46 51 56
b. 28 33 38 43 48
- d. 19
e. 8
f. 18
- d. Twenty five
e. Eleven
f. Sixteen
- d. 11
e. 4
f. 31
- d. 46
e. 74
f. 46

Brilliant Mathematics - II

Chapter 1 : Revision

Exercise - 1A

- Write numerals for the following number names :
18 30 80 68
58 81 70 20
- Fill in the missing numerals :
 - 36 37 38 39 40 41 42 43 44 45
 - 72 71 70 69 68 67 66 65 64 63
 - 63 64 65 66 67 68 69 70 71 72
 - 61 60 59 58 57 56 55 54 53 52
- Write the numerals for the given number names :
 - 75 b. 32 c. 55 d. 12
 - 84 f. 49 g. 77 h. 98
- Write the number for the given numerals :
 - Seventy one e. Thirteen
 - Fifty eight f. Eighty three
 - Sixty eight g. Forty six
 - Ninety seven h. Eighty nine

Exercise - 1B

- Count backwards and fill in the missing numbers :
20 19 18 17 16 15 14 13 12 11 10
78 77 76 75 74 73 72 71 70 69 68
- Which number comes before, just after and in between the given numbers :
19 20 63 64 73 74 56 57 33 34 35 64 65 66
37 38 58 59 80 81 62 63 49 50 51 79 80 81
- Fill in the circles :
 - 44 b. 8

- | | | | | | |
|----|----|-----|----|----|----|
| | c. | 27 | | d. | 66 |
| | e. | 77 | | f. | 87 |
| | g. | 44 | | h. | 37 |
| | i. | 66 | | j. | 82 |
| | k. | 100 | | l. | 80 |
| 4. | a. | 18 | 45 | 81 | 90 |
| | b. | 5 | 15 | 25 | 52 |
| 5. | a. | 96 | 69 | 19 | 10 |
| | b. | 54 | 45 | 40 | 14 |

Exercise - 1C

1.
 - b. 4 tens and 8 ones = $40 + 8$
 - c. 2 tens and 9 ones = $20 + 9$
 - d. 8 tens and 9 ones = $80 + 9$
 - e. 9 tens and 0 ones = $90 + 0$
 - f. 6 tens and 6 ones = $60 + 6$
 - g. 5 tens and 9 ones = $50 + 9$
2.

a. $30 + 6 = 36$	
b. $90 + 2 = 92$	c. $40 + 0 = 40$
d. $00 + 3 = 03$	e. $10 + 9 = 19$
f. $70 + 1 = 71$	g. $80 + 8 = 88$

Exercise - 1D

1.

a. $8 + 2 = 10$	b. $5 + 4 = 9$
c. $3 + 4 = 7$	d. $46 + 23 = 69$
e. $44 + 43 = 87$	f. $60 + 36 = 96$
g. $32 + 24 + 23 = 79$	h. $14 + 50 + 13 = 77$
i. $26 + 61 + 11 = 98$	
2.

a. $9 - 5 = 4$	b. $8 - 2 = 6$
c. $7 - 3 = 4$	d. $67 - 34 = 33$
e. $89 - 44 = 45$	f. $97 - 36 = 61$
g. $75 - 23 = 52$	h. $99 - 38 = 61$
i. $83 - 52 = 31$	

Exercise - 1E

1. Boys = 15
Girls = 22
Total Students = $22 + 15 = 37$
2. $55 - 3 = 52$
3. $52 + 14 = 66$
4. Students = 75
Boys = 34
Girls = $75 - 34 = 41$
5. $45 + 10 = 55$
6. $94 - 42 = 52$

Exercise - 1F

1. $5 \times 3 = 15$
 $4 \times 6 = 24$
2. a. $4 \times 8 = 32$ b. $6 \times 6 = 36$
c. $5 \times 8 = 40$ d. $9 \times 5 = 45$
e. $10 \times 3 = 30$ f. $7 \times 7 = 49$
3. a. $24 \div 4 = 6$ b. $36 \div 4 = 9$
c. $27 \div 3 = 9$ d. $25 \div 5 = 5$
e. $72 \div 9 = 8$ f. $80 \div 10 = 8$

Chapter 2 : Three Digit Numbers

Exercise - 2A

1. a. 153 b. 234 c. 467
d. 672 e. 553
2. b. 2 hundreds + 3 tens + 5 ones
c. 3 hundreds + 4 tens + 4 ones
d. 5 hundreds + 6 tens + 7 ones
e. 7 hundreds + 8 tens + 4 ones
f. 8 hundreds + 2 tens + 5 ones
g. 9 hundreds + 5 tens + 5 ones

Page 15 : Forward Counting

1. 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
2. 701 702 703 704 705 706 707 708 709 710
711 712 713 714 715 716 717 718 719 720
721 722 723 724 725 726 727 728 729 730
731 732 733 734 735 736 737 738 739 740
741 742 743 744 745 746 747 748 749 750
751 752 753 754 755 756 757 758 759 760
761 762 763 764 765 766 767 768 769 770
771 772 773 774 775 776 777 778 779 780
781 782 783 784 785 786 787 788 789 790
791 792 793 794 795 796 797 798 799 800

Page 16 : Backward Counting

1. 300 299 298 297 296 295 294 293 292 291
290 289 288 287 286 285 284 283 282 281
280 279 278 277 276 275 274 273 272 271
270 269 268 267 266 265 264 263 262 261
260 259 258 257 256 255 254 253 252 251
250 249 248 247 246 245 244 243 242 241
240 239 238 237 236 235 234 233 232 231
230 229 228 227 226 225 224 223 222 221
220 219 218 217 216 215 214 213 212 211
210 209 208 207 206 205 204 203 202 201

2. 900 899 898 897 896 895 894 893 892 891
 890 889 888 887 886 885 884 883 882 881
 880 879 878 877 876 875 874 873 872 871
 870 869 868 867 866 865 864 863 862 861
 860 859 858 857 856 855 854 853 852 851
 850 849 848 847 846 845 844 843 842 841
 840 839 838 837 836 835 834 833 832 831
 830 829 828 827 826 825 824 823 822 821
 820 819 818 817 816 815 814 813 812 811
 810 809 808 807 806 805 804 803 802 801

Exercise - 2 B

1. a. 475 b. 658 c. 920
 d. 703 e. 312
2. a. Five hundred twenty five
 b. Seven hundred sixty three
 c. Four hundred forty seven
 d. Nine hundred forty nine
 e. Two hundred ninety six
3. *Just before* *In between* *Just after*
- a. 148 791 400
 b. 236 906 802
 c. 528 445 111
 d. 476 900 999
 e. 888 502 591

Exercise - 2C

1. a. < b. >
 c. > d. <
 e. = f. <
 g. < h. <
 i. > j. =

- | | | | |
|----|--------|--------|--------|
| 2. | a. 525 | b. 435 | c. 525 |
| | d. 267 | e. 457 | f. 167 |
| 3. | a. 632 | b. 735 | c. 255 |
| | d. 946 | e. 760 | f. 410 |

Exercise - 2 C

	Predecessor	Numbers	Successor
1.	a. 434	435	436
	b. 385	386	387
	c. 524	525	526
	d. 647	648	649
	e. 748	749	750
2.	a. 435, 726, 750, 756, 784		
	b. 326, 358, 583, 835, 858		
	c. 288, 433, 630, 860, 862		
	d. 456, 465, 546, 564, 645		
	e. 102, 120, 122, 210, 220		
	f. 147, 170, 569, 695, 710		
3.	a. 865, 685, 675, 658, 568		
	b. 976, 796, 765, 679, 535		
	c. 974, 947, 794, 779, 749		
	d. 889, 725, 359, 356, 329		
	e. 945, 594, 549, 495, 459		
	f. 423, 324, 269, 234, 196		

Exercise - 2E

- | | | | |
|-----|-----------------|--------------|-------------|
| 1. | a. 9 | b. 99 | c. 999 |
| 2. | 99 | 3. 10 | 4. 999 |
| 5. | 950 | 6. 267 | |
| 7. | 264 + 308 = 572 | | 8. Lucknow |
| 9. | Nidhi | | |
| 10. | First = 485 | Second = 409 | Third = 389 |

Chapter 3 : Addition

Exercise - 3 A

1. a. $3 + 7 = 10$ b. $5 + 4 = 9$
 c. $8 + 6 = 14$ d. $6 + 6 = 12$
2. a. $7 + 4 = 11$ b. $6 + 8 = 14$
 c. $9 + 8 = 17$

Exercise - 3 B

- a. $37 + 51 = 88$ b. $24 + 42 = 66$
- c. $62 + 17 = 79$ d. $15 + 23 = 38$
- e. $65 + 14 = 79$ f. $17 + 81 = 98$
- g. $72 + 23 = 95$ h. $38 + 31 = 69$

Exercise - 3 C

- a. 7 b. 4
- c. 1 d. 20
- e. 16 f. 11
- g. 15 h. 17
- i. 8 , 2 j. 0

Exercise - 3 D

- a. 70 b. 270
- c. 438 d. 256
- e. 764 f. 745
- g. 476 h. 435
- i. 370 j. 620
- k. 108 l. 700

Exercise - 3 E

1. a. 5 tens and 9 ones $50 + 9 = 59$
 b. 8 tens and 9 ones $80 + 9 = 89$

c.	4 tens and 4 ones + 3 tens and 5 ones <hr/> 7 tens and 9 ones	40 + 4 30 + 5 <hr/> 70 + 9 = 79
d.	6 tens and 3 ones + 1 tens and 2 ones <hr/> 7 tens and 5 ones	60 + 3 10 + 2 <hr/> 70 + 5 = 75
e.	8 tens and 1 ones + 1 tens and 1 ones <hr/> 9 tens and 2 ones	80 + 1 10 + 1 <hr/> 90 + 2 = 92
f.	2 tens and 6 ones + 6 tens and 2 ones <hr/> 8 tens and 8 ones	20 + 6 60 + 2 <hr/> 80 + 8 = 88

Exercise - 3 F

a. 39	b. 99	c. 93	d. 87
e. 97	f. 75	g. 83	h. 66
i. 74	j. 47	k. 89	l. 88
m. 81	n. 68	o. 87	p. 39
q. 89	r. 97	s. 59	t. 103

Exercise - 3 G

- a. $40 + 37 = 40 + 30 + 7$
 $= 70 + 7$
 $= 77$
- b. $70 + 13 = 70 + 10 + 3$
 $= 80 + 3$
 $= 83$
- c. $43 + 24 = 40 + 3 + 20 + 4$

$$= 40 + 20 + 3 + 4$$

$$= 60 + 7$$

$$= 67$$

$$\text{d. } 26 + 41 = 20 + 6 + 40 + 1$$

$$= 20 + 40 + 6 + 1$$

$$= 60 + 7$$

$$= 67$$

$$\text{e. } 49 + 20 = 40 + 9 + 20$$

$$= 40 + 20 + 9$$

$$= 60 + 9$$

$$= 69$$

$$\text{f. } 20 + 62 = 20 + 60 + 2$$

$$= 80 + 2$$

$$= 82$$

$$\text{g. } 73 + 12 = 70 + 3 + 10 + 2$$

$$= 70 + 10 + 3 + 2$$

$$= 80 + 5$$

$$= 85$$

$$\text{h. } 19 + 20 = 10 + 9 + 20$$

$$= 10 + 20 + 9$$

$$= 30 + 9$$

$$= 39$$

$$\text{i. } 62 + 36 = 60 + 2 + 30 + 6$$

$$= 60 + 30 + 2 + 6$$

$$= 90 + 8$$

$$= 98$$

$$\text{j. } 37 + 41 = 30 + 7 + 40 + 1$$

$$= 30 + 40 + 7 + 1$$

$$= 70 + 8$$

$$= 78$$

$$\begin{aligned} \text{k. } 12 + 34 &= 10 + 2 + 30 + 4 \\ &= 10 + 30 + 2 + 4 \\ &= 40 + 6 \\ &= 46 \end{aligned}$$

$$\begin{aligned} \text{l. } 35 + 12 &= 30 + 5 + 10 + 2 \\ &= 30 + 10 + 5 + 2 \\ &= 40 + 7 \\ &= 47 \end{aligned}$$

Exercise - 3 H

a. 839	b. 859	c. 956	d. 889
e. 668	f. 999	g. 799	h. 565
i. 999	j. 997	k. 669	l. 588
m. 779	n. 794	o. 799	p. 935
q. 989	r. 899	s. 659	t. 898
u. 986	v. 919	w. 977	x. 799

Exercise - 3 I

a. 97	b. 76	c. 92	d. 90
e. 70	f. 93	g. 151	h. 83
i. 97	j. 94	k. 80	l. 92
m. 72	n. 64	o. 90	p. 157

Exercise - 3 J

a. 847	b. 726	c. 772	d. 900
e. 955	f. 617	g. 845	h. 718
i. 680	j. 950	k. 821	l. 802
m. 830	n. 605	o. 884	p. 931

Exercise - 3 K

1. $685 + 179 = 864$

2. $179 + 225 + 342 = 746$
3. $215 + 234 + 130 = 579$
4. $736 - 285 = 451$
5. $336 + 450 + 150 = 936$
6. $169 + 235 = 404$
7. $756 + 125 = 881$
8. $225 + 375 = 700$

Chapter 4 : Subtraction

Exercise - 4 A

- | | | | |
|------|------|------|------|
| a. 3 | b. 5 | c. 3 | d. 2 |
| e. 7 | f. 4 | g. 3 | h. 2 |

Exercise - 4 B

- | | | | |
|-------|-------|-------|-------|
| a. 85 | b. 40 | c. 52 | d. 43 |
| e. 53 | f. 52 | g. 61 | h. 12 |
| i. 13 | j. 53 | k. 24 | l. 14 |
| m. 43 | n. 32 | o. 32 | p. 12 |

Exercise - 4 C

- | | |
|----------------------|----------------------|
| a. $45 - 10 = 35$ | b. $279 - 10 = 269$ |
| c. $425 - 20 = 405$ | d. $37 - 20 = 17$ |
| e. $272 - 30 = 242$ | f. $679 - 100 = 579$ |
| g. $848 - 200 = 648$ | h. $743 - 10 = 733$ |
| i. $989 - 30 = 959$ | j. $237 - 200 = 037$ |

Exercise - 4 D

- | | | | |
|-------|-------|-------|-------|
| a. 16 | b. 13 | c. 33 | d. 38 |
| e. 36 | f. 41 | g. 23 | h. 15 |
| i. 50 | j. 65 | k. 32 | l. 24 |

Exercise - 4 E

- a. 131 b. 235 c. 313 d. 444
e. 161 f. 411 g. 622 h. 133
i. 712 j. 443 k. 243 l. 462

Exercise - 4 F

a.
$$\begin{array}{r} \text{T O} \\ \textcircled{7} \textcircled{13} \\ 8 \ 3 \\ - 6 \ 7 \\ \hline 1 \ 6 \end{array}$$

b.
$$\begin{array}{r} \text{T O} \\ \textcircled{3} \textcircled{12} \\ 4 \ 2 \\ - 1 \ 8 \\ \hline 2 \ 4 \end{array}$$

c.
$$\begin{array}{r} \text{T O} \\ \textcircled{3} \textcircled{18} \\ 4 \ 8 \\ - 2 \ 9 \\ \hline 1 \ 9 \end{array}$$

d.
$$\begin{array}{r} \text{T O} \\ \textcircled{5} \textcircled{14} \\ 6 \ 4 \\ - 2 \ 6 \\ \hline 3 \ 8 \end{array}$$

e.
$$\begin{array}{r} \text{T O} \\ \textcircled{5} \textcircled{14} \\ 6 \ 4 \\ - 4 \ 9 \\ \hline 1 \ 5 \end{array}$$

f.
$$\begin{array}{r} \text{T O} \\ \textcircled{4} \textcircled{15} \\ 5 \ 5 \\ - 2 \ 6 \\ \hline 2 \ 9 \end{array}$$

g.
$$\begin{array}{r} \text{T O} \\ \textcircled{8} \textcircled{15} \\ 9 \ 5 \\ - 4 \ 7 \\ \hline 4 \ 8 \end{array}$$

h.
$$\begin{array}{r} \text{T O} \\ \textcircled{6} \textcircled{17} \\ 7 \ 7 \\ - 3 \ 9 \\ \hline 3 \ 8 \end{array}$$

i.
$$\begin{array}{r} \text{T O} \\ \textcircled{8} \textcircled{16} \\ 9 \ 6 \\ - 7 \ 8 \\ \hline 1 \ 8 \end{array}$$

j.
$$\begin{array}{r} \text{T O} \\ \textcircled{5} \textcircled{13} \\ 6 \ 3 \\ - 3 \ 6 \\ \hline 2 \ 7 \end{array}$$

k.
$$\begin{array}{r} \text{T O} \\ \textcircled{7} \textcircled{18} \\ 8 \ 8 \\ - 3 \ 9 \\ \hline 4 \ 9 \end{array}$$

l.
$$\begin{array}{r} \text{T O} \\ \textcircled{7} \textcircled{14} \\ 8 \ 4 \\ - 7 \ 6 \\ \hline 0 \ 8 \end{array}$$

Exercise - 4 G

a.
$$\begin{array}{r} \text{H T O} \\ \textcircled{4} \textcircled{9} \textcircled{16} \\ 5 \ 0 \ 6 \\ - 3 \ 9 \ 7 \\ \hline 1 \ 0 \ 9 \end{array}$$

b.
$$\begin{array}{r} \text{H T O} \\ \textcircled{5} \textcircled{10} \textcircled{10} \\ 6 \ 1 \ 0 \\ - 2 \ 9 \ 3 \\ \hline 3 \ 1 \ 7 \end{array}$$

c.
$$\begin{array}{r} \text{H T O} \\ \textcircled{5} \textcircled{12} \textcircled{13} \\ 6 \ 3 \ 3 \\ - 1 \ 8 \ 4 \\ \hline 5 \ 4 \ 9 \end{array}$$

$$\begin{array}{r} \text{d. H T O} \\ \textcircled{4} \textcircled{9} \textcircled{13} \\ 5 \ 0 \ 3 \\ - 1 \ 9 \ 4 \\ \hline 3 \ 0 \ 9 \end{array}$$

$$\begin{array}{r} \text{e. H T O} \\ \textcircled{4} \textcircled{10} \textcircled{18} \\ 5 \ 1 \ 8 \\ - 2 \ 9 \ 9 \\ \hline 2 \ 1 \ 9 \end{array}$$

$$\begin{array}{r} \text{f. H T O} \\ \textcircled{3} \textcircled{12} \textcircled{16} \\ 4 \ 3 \ 6 \\ - 2 \ 8 \ 7 \\ \hline 1 \ 4 \ 9 \end{array}$$

$$\begin{array}{r} \text{g. H T O} \\ \textcircled{2} \textcircled{13} \textcircled{18} \\ 3 \ 4 \ 8 \\ - 2 \ 6 \ 9 \\ \hline 0 \ 7 \ 9 \end{array}$$

$$\begin{array}{r} \text{h. H T O} \\ \textcircled{4} \textcircled{9} \textcircled{12} \\ 5 \ 0 \ 2 \\ - 1 \ 9 \ 4 \\ \hline 3 \ 0 \ 8 \end{array}$$

$$\begin{array}{r} \text{i. H T O} \\ \textcircled{3} \textcircled{11} \textcircled{13} \\ 4 \ 2 \ 3 \\ - 2 \ 8 \ 9 \\ \hline 1 \ 3 \ 4 \end{array}$$

$$\begin{array}{r} \text{j. H T O} \\ \textcircled{2} \textcircled{11} \textcircled{12} \\ 3 \ 2 \ 2 \\ - 1 \ 8 \ 6 \\ \hline 1 \ 3 \ 6 \end{array}$$

$$\begin{array}{r} \text{k. H T O} \\ \textcircled{2} \textcircled{13} \textcircled{10} \\ 3 \ 4 \ 0 \\ - 1 \ 7 \ 5 \\ \hline 1 \ 6 \ 5 \end{array}$$

$$\begin{array}{r} \text{l. H T O} \\ \textcircled{2} \textcircled{10} \textcircled{10} \\ 3 \ 1 \ 0 \\ - 1 \ 3 \ 5 \\ \hline 1 \ 7 \ 5 \end{array}$$

$$\begin{array}{r} \text{m. H T O} \\ \textcircled{6} \textcircled{16} \textcircled{18} \\ 7 \ 7 \ 8 \\ - 6 \ 8 \ 9 \\ \hline 0 \ 8 \ 9 \end{array}$$

$$\begin{array}{r} \text{n. H T O} \\ \textcircled{6} \textcircled{13} \textcircled{16} \\ 7 \ 4 \ 6 \\ - 5 \ 7 \ 7 \\ \hline 1 \ 6 \ 9 \end{array}$$

$$\begin{array}{r} \text{o. H T O} \\ \textcircled{1} \textcircled{12} \textcircled{13} \\ 2 \ 3 \ 3 \\ - 1 \ 6 \ 6 \\ \hline 0 \ 6 \ 7 \end{array}$$

$$\begin{array}{r} \text{p. H T O} \\ \textcircled{8} \textcircled{12} \textcircled{11} \\ 9 \ 3 \ 1 \\ - 7 \ 6 \ 3 \\ \hline 1 \ 6 \ 8 \end{array}$$

$$\begin{array}{r} \text{q. H T O} \\ \textcircled{4} \textcircled{10} \textcircled{13} \\ 5 \ 1 \ 3 \\ - 2 \ 6 \ 8 \\ \hline 2 \ 4 \ 5 \end{array}$$

$$\begin{array}{r} \text{r. H T O} \\ \textcircled{1} \textcircled{12} \textcircled{15} \\ 2 \ 3 \ 5 \\ - 1 \ 4 \ 6 \\ \hline 0 \ 8 \ 9 \end{array}$$

$$\begin{array}{r} \text{s. H T O} \\ \textcircled{2} \textcircled{10} \textcircled{12} \\ 3 \ 1 \ 2 \\ - 2 \ 5 \ 9 \\ \hline 0 \ 5 \ 3 \end{array}$$

$$\begin{array}{r} \text{t. H T O} \\ \textcircled{8} \textcircled{12} \textcircled{11} \\ 9 \ 3 \ 1 \\ - 7 \ 6 \ 4 \\ \hline 1 \ 6 \ 7 \end{array}$$

Exercise - 4 H

$$\begin{array}{r} \text{T O} \\ \textcircled{7} \textcircled{11} \\ 81 \\ - 29 \\ \hline 52 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 98 \\ - 23 \\ \hline 75 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ \textcircled{6} \textcircled{17} \textcircled{15} \\ 785 \\ - 286 \\ \hline 499 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ \textcircled{6} \textcircled{13} \textcircled{15} \\ 745 \\ - 088 \\ \hline 697 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ \textcircled{0} \textcircled{9} \textcircled{10} \\ 100 \\ - 058 \\ \hline 42 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ \textcircled{6} \textcircled{11} \textcircled{15} \\ 725 \\ - 237 \\ \hline 488 \end{array}$$

Page 46 : Activity

$$50 + 20 = 80 - 10$$

$$10 + 25 = 40 - 5$$

$$60 + 40 = 100 - 0$$

$$100 + 100 = 300 - 100$$

$$300 + 200 = 700 - 200$$

Chapter 5 : Multiplication

Exercise - 5 A

1. b. $5 + 5 + 5 = 15$
 $5 \times 3 = 15$
- c. $8 + 8 = 16$
 $8 \times 2 = 16$
- d. $6 + 6 + 6 + 6 + 6 = 30$
 $6 \times 5 = 30$
- e. $4 + 4 + 4 + 4 + 4 + 4 = 24$
 $4 \times 6 = 24$
- f. $8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 = 64$
 $8 \times 8 = 64$

Exercise - 5 B

1. a. $2 \times 3 = 3 \times 2$ b. $3 \times 4 = 3 \times 4$
c. $5 \times 4 = 4 \times 5$ d. $8 \times 1 = 8$
e. $9 \times 1 = 9$ f. $3 \times 6 = 6 \times 3$
g. $7 \times 6 = 6 \times 7$ h. $3 \times 0 = 0$
i. $3 \times 4 = 4 \times 3$ j. $4 \times 10 = 40$
k. $10 \times 8 = 80$ l. $9 \times 100 = 900$
2. a. 48 b. 16 c. 49
d. 60 e. 18 f. 21
g. 16 h. 27 i. 30
j. 56 k. 64 l. 36
m. 80 n. 56 o. 36
p. 45 q. 100 r. 15

Exercise - 5 C

- a. $2 \times 8 = 16$ b. $3 \times 9 = 27$
c. $8 \times 8 = 64$ d. $8 \times 0 = 0$
e. $8 \times 6 = 48$ f. $7 \times 3 = 21$
g. $9 \times 9 = 81$ h. $9 \times 7 = 63$

Exercise - 5 D

- a. $43 \times 2 = 86$ b. $32 \times 3 = 96$
c. $12 \times 4 = 48$ d. $33 \times 3 = 99$
e. $75 \times 1 = 75$ f. $44 \times 2 = 88$
g. $22 \times 4 = 88$ h. $11 \times 8 = 88$

Exercise - 5 E

- a. $234 \times 2 = 468$ b. $312 \times 3 = 936$
c. $212 \times 4 = 848$ d. $403 \times 2 = 806$
e. $101 \times 8 = 808$ f. $112 \times 4 = 448$
g. $111 \times 9 = 999$ h. $323 \times 3 = 969$

Exercise – 5 F

$$\begin{array}{r} \text{T O} \\ \textcircled{2} \\ 1\ 7 \\ \times 4 \\ \hline 6\ 8 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 1\ 6 \\ \times 2 \\ \hline 4\ 8 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{4} \\ 1\ 9 \\ \times 5 \\ \hline 9\ 5 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 2\ 5 \\ \times 2 \\ \hline 5\ 0 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{6} \\ 5\ 8 \\ \times 8 \\ \hline 4\ 6\ 4 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 7\ 3 \\ \times 6 \\ \hline 4\ 3\ 8 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{5} \\ 4\ 6 \\ \times 9 \\ \hline 4\ 1\ 4 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{3} \\ 5\ 9 \\ \times 4 \\ \hline 2\ 3\ 6 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 7\ 2 \\ \times 5 \\ \hline 3\ 6\ 0 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{3} \\ 2\ 6 \\ \times 6 \\ \hline 1\ 5\ 6 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 3\ 4 \\ \times 4 \\ \hline 1\ 3\ 6 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{4} \\ 2\ 8 \\ \times 5 \\ \hline 1\ 4\ 0 \end{array}$$

Exercise – 5 G

$$\begin{array}{r} 1. \text{ T O} \\ \textcircled{3} \\ 1\ 5 \\ \times 6 \\ \hline 9\ 0 \end{array}$$

$$\begin{array}{r} 2. \text{ T O} \\ \textcircled{3} \\ 2\ 4 \\ \times 8 \\ \hline 1\ 9\ 2 \end{array}$$

$$\begin{array}{r} 3. \text{ T O} \\ \textcircled{1} \\ 5\ 2 \\ \times 7 \\ \hline 3\ 6\ 4 \end{array}$$

$$\begin{array}{r} 4. \text{ T O} \\ \textcircled{4} \\ 4\ 5 \\ \times 9 \\ \hline 4\ 0\ 5 \end{array}$$

$$\begin{array}{r} 5. \text{ T O} \\ \textcircled{2} \\ 5\ 6 \\ \times 4 \\ \hline 2\ 2\ 4 \end{array}$$

Chapter 6 : Division

Exercise - 6 A

1. a. i. 3 ii. 4 iii. 4
 b. i. 6 ii. 4 iii. 4
 c. i. 4 ii. 5 iii. 5
 d. i. 4 ii. 7 iii. $28 \div 4 = 7$
2. b. $16 \div 4 = 4$ c. $10 \div 2 = 5$
 d. $27 \div 3 = 9$ e. $21 \div 3 = 7$

Exercise - 6 B

- b. i. $15 \div 3 = 5$ ii. $15 \div 5 = 3$
- c. i. $18 \div 2 = 9$ ii. $18 \div 9 = 2$
- d. i. $24 \div 4 = 6$ ii. $24 \div 6 = 4$
- e. i. $21 \div 7 = 3$ ii. $21 \div 3 = 7$
- f. i. $42 \div 6 = 7$ ii. $42 \div 7 = 6$
- g. i. $72 \div 8 = 9$ ii. $72 \div 9 = 8$
- h. i. $56 \div 7 = 8$ ii. $56 \div 8 = 7$
- i. i. $48 \div 6 = 8$ ii. $48 \div 8 = 6$
- j. i. $45 \div 9 = 5$ ii. $45 \div 5 = 6$

Exercise - 6 C

- a.
$$\begin{array}{r} 2 \overline{)14} \overline{)7} \\ -14 \\ \hline \times \\ 14 \div 2 = 7 \end{array}$$
- b.
$$\begin{array}{r} 5 \overline{)20} \overline{)4} \\ -20 \\ \hline \times \\ 20 \div 5 = 4 \end{array}$$
- c.
$$\begin{array}{r} 6 \overline{)24} \overline{)4} \\ -24 \\ \hline \times \\ 24 \div 6 = 4 \end{array}$$
- d.
$$\begin{array}{r} 2 \overline{)18} \overline{)9} \\ -18 \\ \hline \times \\ 18 \div 2 = 9 \end{array}$$
- e.
$$\begin{array}{r} 6 \overline{)48} \overline{)8} \\ -48 \\ \hline \times \\ 48 \div 6 = 8 \end{array}$$
- f.
$$\begin{array}{r} 3 \overline{)27} \overline{)9} \\ -27 \\ \hline \times \\ 27 \div 3 = 9 \end{array}$$
- g.
$$\begin{array}{r} 9 \overline{)54} \overline{)6} \\ -54 \\ \hline \times \\ 54 \div 9 = 6 \end{array}$$
- h.
$$\begin{array}{r} 10 \overline{)30} \overline{)3} \\ -30 \\ \hline \times \\ 30 \div 10 = 3 \end{array}$$

$$\begin{array}{r} \text{i. } 4 \overline{)20} \langle 5 \\ -20 \\ \hline \times \end{array}$$

$$20 \div 4 = 5$$

$$\begin{array}{r} \text{j. } 5 \overline{)45} \langle 9 \\ -45 \\ \hline \times \end{array}$$

$$45 \div 5 = 9$$

$$\begin{array}{r} \text{k. } 8 \overline{)24} \langle 3 \\ -24 \\ \hline \times \end{array}$$

$$24 \div 8 = 3$$

$$\begin{array}{r} \text{l. } 8 \overline{)72} \langle 9 \\ -72 \\ \hline \times \end{array}$$

$$72 \div 8 = 9$$

$$\begin{array}{r} \text{m. } 3 \overline{)15} \langle 5 \\ -15 \\ \hline \times \end{array}$$

$$15 \div 3 = 5$$

$$\begin{array}{r} \text{n. } 8 \overline{)48} \langle 6 \\ -48 \\ \hline \times \end{array}$$

$$48 \div 8 = 6$$

$$\begin{array}{r} \text{o. } 4 \overline{)24} \langle 6 \\ -24 \\ \hline \times \end{array}$$

$$24 \div 4 = 6$$

$$\begin{array}{r} \text{p. } 4 \overline{)16} \langle 4 \\ -16 \\ \hline \times \end{array}$$

$$16 \div 4 = 4$$

Exercise - 6 D

$$\begin{array}{r} \text{a. } 3 \overline{)20} \langle 6 \\ -18 \\ \hline \underline{2} \end{array}$$

$$Q = 6$$

$$R = 2$$

$$\begin{array}{r} \text{b. } 3 \overline{)25} \langle 8 \\ -24 \\ \hline \underline{1} \end{array}$$

$$Q = 8$$

$$R = 1$$

$$\begin{array}{r} \text{c. } 6 \overline{)58} \langle 9 \\ -54 \\ \hline \underline{4} \end{array}$$

$$Q = 9$$

$$R = 4$$

$$\begin{array}{r} \text{d. } 7 \overline{)51} \langle 7 \\ -49 \\ \hline \underline{2} \end{array}$$

$$Q = 7$$

$$R = 2$$

$$\begin{array}{r} \text{e. } 8 \overline{)51} \langle 6 \\ -48 \\ \hline \underline{3} \end{array}$$

$$Q = 6$$

$$R = 3$$

$$\begin{array}{r} \text{f. } 9 \overline{)75} \langle 8 \\ -72 \\ \hline \underline{3} \end{array}$$

$$Q = 8$$

$$R = 3$$

$$\begin{array}{r} \text{g. } 8 \overline{)57} \langle 7 \\ -56 \\ \hline \underline{1} \end{array}$$

$$Q = 7$$

$$R = 1$$

$$\begin{array}{r} \text{h. } 7 \overline{)62} \langle 8 \\ -56 \\ \hline \underline{6} \end{array}$$

$$Q = 8$$

$$R = 6$$

$$\begin{array}{r} \text{i. } 6 \overline{)36} \langle 6 \\ -36 \\ \hline \times \end{array}$$

$$Q = 6$$

$$R = 0$$

$$\begin{array}{r} \text{j. } 7 \overline{)44} \langle 6 \\ -42 \\ \hline \underline{2} \end{array}$$

$$Q = 6$$

$$R = 2$$

$$\begin{array}{r} \text{k. } 4 \overline{)29} \langle 7 \\ -28 \\ \hline \underline{1} \end{array}$$

$$Q = 7$$

$$R = 1$$

$$\begin{array}{r} \text{l. } 5 \overline{)27} \langle 5 \\ -25 \\ \hline \underline{2} \end{array}$$

$$Q = 5$$

$$R = 2$$

Exercise - 6 E

- a.
$$\begin{array}{r} 6 \overline{)36} \overline{)6} \\ -36 \\ \hline \times \\ 6 \text{ Bananas} \end{array}$$
- b.
$$\begin{array}{r} 7 \overline{)42} \overline{)6} \\ -42 \\ \hline \times \\ 6 \text{ Toffees} \end{array}$$
- c.
$$\begin{array}{r} 10 \overline{)90} \overline{)9} \\ -90 \\ \hline \times \\ 9 \text{ Boxes} \end{array}$$
- d.
$$\begin{array}{r} 2 \overline{)14} \overline{)7} \\ -14 \\ \hline \times \\ 7 \text{ Bs/Gs} \end{array}$$

- e.
$$\begin{array}{r} 6 \overline{)30} \overline{)5} \\ -30 \\ \hline \times \\ 5 \text{ jumps} \end{array}$$

Chapter 7 : Fractions

Exercise - 7 A

1. a c f k

Chapter 8 : Money

Exercise - 8 A

- a. 5 b. 5 c. 2
d. 4 e. 2

Exercise - 8 B

1. a. R 48 + R 36 = R 84
b. R 29 + R 58 = R 87
c. R 34 + R 55 = R 89
d. R 236 + R 725 + R 112 = R 1073
e. R 451 + R 114 + R 235 = R 800
f. R 412 + R 15 + R 32 = R 459
g. 72 P + 14 P = 86 P
h. 67 P + 25 P = 82 P
i. 35 P + 48 P = 83 P

Exercise - 8 C

- a. $R\ 85 - R\ 42 = R\ 43$
- b. $R\ 94 - R\ 38 = R\ 56$
- c. $R\ 72 - R\ 29 = R\ 43$
- d. $R\ 100 - R\ 45 = R\ 55$
- e. $R\ 455 - R\ 28 = R\ 427$
- f. $R\ 236 - R\ 175 = R\ 61$
- g. $84\ P - 33\ P = 51\ P$
- h. $73\ P - 48\ P = 25\ P$
- i. $90\ P - 67\ P = 23\ P$

Exercise - 8 D

- 1. $R\ 80 - R\ 50 = R\ 30$
- 2. $R\ 64 + R\ 42 = R\ 106$
- 3. $R\ 95 - R\ 48 = R\ 47$
- 4. $R\ 90 - R\ 18 = R\ 72$
- 5. $R\ 72 + R\ 38 = R\ 110$
- 6. $R\ 189 + R\ 59 + R\ 53 = R\ 301$

Page 73 : Activity

- a. $10 + 5 = 15$
- b. $5 + 100 = 105$
- c. $10 + 1 + 2 = 13$
- d. $50 + 2 + 100 = 152$

Chapter 9 : Measurement of Length

Exercise - 9 A

- a. $2\ \text{m}\ 15\ \text{cm}$
 $= 2 \times 100 + 15\ \text{cm}$
 $= 200\ \text{cm} + 15\ \text{cm}$
 $= 215\ \text{cm}$
- b. $8\ \text{m}\ 5\ \text{cm}$
 $= 8 \times 100 + 5\ \text{cm}$
 $= 800\ \text{cm} + 5\ \text{cm}$
 $= 805\ \text{cm}$

c. $4\text{ m } 25\text{ cm}$
 $= 4 \times 100 + 25\text{ cm}$
 $= 400\text{ cm} + 25\text{ cm}$
 $= 425\text{ cm}$

e. $3\text{ m } 30\text{ cm}$
 $= 3 \times 100 + 30\text{ cm}$
 $= 300\text{ cm} + 30\text{ cm}$
 $= 330\text{ cm}$

g. $5\text{ m } 20\text{ cm}$
 $= 5 \times 100 + 20\text{ cm}$
 $= 500\text{ cm} + 20\text{ cm}$
 $= 520\text{ cm}$

d. $8\text{ m } 8\text{ cm}$
 $= 8 \times 100 + 8\text{ cm}$
 $= 800\text{ cm} + 8\text{ cm}$
 $= 808\text{ cm}$

f. $2\text{ m } 10\text{ cm}$
 $= 2 \times 100 + 10\text{ cm}$
 $= 200\text{ cm} + 10\text{ cm}$
 $= 210\text{ cm}$

h. $6\text{ m } 50\text{ cm}$
 $= 6 \times 100 + 50\text{ cm}$
 $= 600\text{ cm} + 50\text{ cm}$
 $= 650\text{ cm}$

Exercise - 9 B

a. 110 cm
 $= 100\text{ cm} + 10\text{ cm}$
 $= 1\text{ m } 10\text{ cm}$

c. 175 cm
 $= 100\text{ cm} + 75\text{ cm}$
 $= 1\text{ m } 75\text{ cm}$

e. 515 cm
 $= 500\text{ cm} + 15\text{ cm}$
 $= 5\text{ m } 15\text{ cm}$

g. 720 cm
 $= 700\text{ cm} + 20\text{ cm}$
 $= 7\text{ m } 20\text{ cm}$

b. 309 cm
 $= 300\text{ cm} + 9\text{ cm}$
 $= 3\text{ m } 9\text{ cm}$

d. 480 cm
 $= 400\text{ cm} + 80\text{ cm}$
 $= 4\text{ m } 80\text{ cm}$

f. 685 cm
 $= 600\text{ cm} + 85\text{ cm}$
 $= 6\text{ m } 85\text{ cm}$

h. 550 cm
 $= 500\text{ cm} + 50\text{ cm}$
 $= 5\text{ m } 50\text{ cm}$

Exercise - 9 C

1. a. $\textcircled{1}$
 $\begin{array}{r} 8\ 5\ \text{m} \\ + 4\ 2\ \text{m} \\ \hline 1\ 2\ 7\ \text{m} \end{array}$

b. $\textcircled{1}$
 $\begin{array}{r} 7\ 9\ \text{m} \\ + 4\ 8\ \text{m} \\ \hline 1\ 2\ 7\ \text{m} \end{array}$

c. $\textcircled{1}$
 $\begin{array}{r} 8\ 6\ \text{m} \\ + 1\ 2\ \text{m} \\ \hline 9\ 8\ \text{m} \end{array}$

$$\begin{array}{r} \text{d.} \quad \textcircled{1} \\ 3 \text{ m} \\ + 7 \text{ m} \\ \hline 10 \text{ m} \end{array}$$

$$\begin{array}{r} \text{e.} \quad \textcircled{1} \quad \textcircled{1} \\ 42 \text{ m} \quad 35 \text{ cm} \\ + 28 \text{ m} \quad 37 \text{ cm} \\ \hline 70 \text{ m} \quad 72 \text{ cm} \end{array}$$

$$\begin{array}{r} \text{f.} \quad \textcircled{10} \quad \textcircled{1} \\ 128 \text{ m} \quad 45 \text{ cm} \\ + 34 \text{ m} \quad 56 \text{ cm} \\ \hline 163 \text{ m} \quad 01 \text{ cm} \end{array}$$

$$\begin{array}{r} \text{g.} \quad \textcircled{1} \quad \textcircled{1} \\ 42 \text{ m} \quad 35 \text{ cm} \\ + 29 \text{ m} \quad 39 \text{ cm} \\ \hline 71 \text{ m} \quad 74 \text{ cm} \end{array}$$

$$\begin{array}{r} \text{h.} \quad \textcircled{1} \quad \textcircled{1} \\ 137 \text{ m} \quad 44 \text{ cm} \\ + 21 \text{ m} \quad 32 \text{ cm} \\ + 06 \text{ m} \quad 06 \text{ cm} \\ \hline 164 \text{ m} \quad 82 \text{ cm} \end{array}$$

$$\begin{array}{r} \text{i.} \quad \textcircled{1} \\ 91 \text{ m} \\ + 35 \text{ m} \\ \hline 126 \text{ m} \end{array}$$

$$\begin{array}{r} \text{2. a.} \quad \textcircled{4} \textcircled{10} \\ 4 \text{ m} \quad 5 \text{ cm} \quad 0 \text{ m} \\ - 1 \text{ m} \quad 2 \text{ cm} \quad 8 \text{ m} \\ \hline 3 \text{ m} \quad 2 \text{ cm} \quad 2 \text{ m} \end{array}$$

$$\begin{array}{r} \text{b.} \quad \textcircled{6} \textcircled{15} \\ 7 \text{ m} \quad 5 \text{ cm} \\ - 4 \text{ m} \quad 8 \text{ cm} \\ \hline 2 \text{ m} \quad 7 \text{ cm} \end{array}$$

$$\begin{array}{r} \text{c.} \quad \textcircled{7} \textcircled{14} \\ 8 \text{ m} \quad 4 \text{ cm} \\ - 3 \text{ m} \quad 9 \text{ cm} \\ \hline 4 \text{ m} \quad 5 \text{ cm} \end{array}$$

$$\begin{array}{r} \text{d.} \quad \textcircled{6} \textcircled{16} \quad \textcircled{2} \textcircled{10} \\ 176 \text{ m} \quad 30 \text{ cm} \\ - 38 \text{ m} \quad 19 \text{ cm} \\ \hline 138 \text{ m} \quad 11 \text{ cm} \end{array}$$

$$\begin{array}{r} \text{e.} \quad \textcircled{9} \textcircled{13} \quad \textcircled{3} \textcircled{15} \\ 103 \text{ m} \quad 45 \text{ cm} \\ - 88 \text{ m} \quad 29 \text{ cm} \\ \hline 15 \text{ m} \quad 16 \text{ cm} \end{array}$$

$$\begin{array}{r} \text{f.} \quad \textcircled{8} \textcircled{14} \\ 246 \text{ m} \quad 94 \text{ cm} \\ - 124 \text{ m} \quad 38 \text{ cm} \\ \hline 122 \text{ m} \quad 56 \text{ cm} \end{array}$$

Exercise - 9 D

$$\begin{array}{r} \text{1.} \quad 13 \text{ m} \quad 40 \text{ cm} \\ + 15 \text{ m} \quad 30 \text{ cm} \\ \hline 28 \text{ m} \quad 70 \text{ cm} \end{array}$$

$$\begin{array}{r} \text{2.} \quad 5 \text{ m} \quad 75 \text{ cm} \\ + 6 \text{ m} \quad 25 \text{ cm} \\ \hline 12 \text{ m} \quad 00 \text{ cm} \end{array}$$

$$\begin{array}{r} \text{3.} \quad 80 \text{ m} \quad 20 \text{ cm} \\ - 35 \text{ m} \quad 10 \text{ cm} \\ \hline 45 \text{ m} \quad 10 \text{ cm} \end{array}$$

$$\begin{array}{r} \text{4.} \quad 2 \text{ m} \quad 36 \text{ cm} \\ - 27 \text{ cm} \\ \hline 2 \text{ m} \quad 09 \text{ cm} \end{array}$$

$$\begin{array}{r} \text{5.} \quad 40 \text{ m} \quad 45 \text{ cm} \\ - 36 \text{ m} \quad 50 \text{ cm} \\ \hline 3 \text{ m} \quad 95 \text{ cm} \end{array}$$

Orange thread is a longer by 3m 95cm

Chapter 10 : Measurement of Mass

Exercise - 10 A

a.
$$\begin{array}{r} 136 \text{ kg} \\ + 84 \text{ kg} \\ \hline 220 \text{ kg} \end{array}$$

b.
$$\begin{array}{r} 245 \text{ kg} \\ + 274 \text{ kg} \\ \hline 519 \text{ kg} \end{array}$$

c.
$$\begin{array}{r} 74 \text{ kg} \\ + 25 \text{ kg} \\ \hline 99 \text{ kg} \end{array}$$

d.
$$\begin{array}{r} \textcircled{1}\textcircled{1} \\ 745 \text{ kg} \\ + 178 \text{ kg} \\ \hline 923 \text{ kg} \end{array}$$

e.
$$\begin{array}{r} \textcircled{1} \\ 30 \text{ kg} \quad 475 \text{ g} \\ + 8 \text{ kg} \quad 367 \text{ g} \\ \hline 38 \text{ kg} \quad 842 \text{ g} \end{array}$$

f.
$$\begin{array}{r} \textcircled{1} \quad \textcircled{1} \\ 135 \text{ kg} \quad 250 \text{ g} \\ + 265 \text{ kg} \quad 650 \text{ g} \\ \hline 400 \text{ kg} \quad 900 \text{ g} \end{array}$$

g.
$$\begin{array}{r} \textcircled{1} \quad \textcircled{1}\textcircled{1} \\ 234 \text{ kg} \quad 725 \text{ g} \\ + 69 \text{ kg} \quad 185 \text{ g} \\ \hline 303 \text{ kg} \quad 910 \text{ g} \end{array}$$

h.
$$\begin{array}{r} \textcircled{1}\textcircled{1} \\ 999 \text{ kg} \\ + 245 \text{ kg} \\ \hline 1249 \text{ kg} \end{array}$$

i.
$$\begin{array}{r} 745 \text{ kg} \\ + 237 \text{ kg} \\ \hline 982 \text{ kg} \end{array}$$

Exercise - 10 B

a.
$$\begin{array}{r} 486 \text{ g} \\ - 322 \text{ g} \\ \hline 164 \text{ g} \end{array}$$

b.
$$\begin{array}{r} \textcircled{6}\textcircled{10}\textcircled{10} \\ 720 \text{ g} \\ - 45 \text{ g} \\ \hline 665 \text{ g} \end{array}$$

c.
$$\begin{array}{r} \textcircled{3}\textcircled{3}\textcircled{10} \quad \textcircled{4}\textcircled{15} \\ 400 \text{ kg} \quad 540 \text{ g} \\ - 245 \text{ kg} \quad 250 \text{ g} \\ \hline 155 \text{ kg} \quad 290 \text{ g} \end{array}$$

d.
$$\begin{array}{r} \textcircled{5}\textcircled{14}\textcircled{10} \quad \textcircled{1}\textcircled{10} \\ 650 \text{ kg} \quad 200 \text{ g} \\ - 175 \text{ kg} \quad 150 \text{ g} \\ \hline 475 \text{ kg} \quad 050 \text{ g} \end{array}$$

e.
$$\begin{array}{r} \textcircled{1}\textcircled{9}\textcircled{14} \quad \textcircled{1}\textcircled{10}\textcircled{15} \\ 104 \text{ kg} \quad 315 \text{ g} \\ - 45 \text{ kg} \quad 176 \text{ g} \\ \hline 59 \text{ kg} \quad 139 \text{ g} \end{array}$$

f.
$$\begin{array}{r} \textcircled{6}\textcircled{10} \quad \textcircled{3}\textcircled{15} \\ 70 \text{ kg} \quad 650 \text{ g} \\ - 8 \text{ kg} \quad 080 \text{ g} \\ \hline 62 \text{ kg} \quad 570 \text{ g} \end{array}$$

g.
$$\begin{array}{r} \textcircled{6}\textcircled{10}\textcircled{10} \\ 720 \text{ g} \\ - 194 \text{ g} \\ \hline 526 \text{ g} \end{array}$$

$$\begin{array}{r}
 \text{h.} \quad \overset{\textcircled{9}\textcircled{14}}{104} \text{ kg} \quad \overset{\textcircled{2}\textcircled{10}\textcircled{13}}{315} \text{ g} \\
 - 49 \text{ kg} \quad 179 \text{ g} \\
 \hline
 55 \text{ kg} \quad 136 \text{ g}
 \end{array}$$

$$\begin{array}{r}
 \text{i.} \quad \overset{\textcircled{6}\textcircled{10}}{70} \text{ kg} \quad \overset{\textcircled{4}\textcircled{10}}{650} \text{ g} \\
 - 28 \text{ kg} \quad 049 \text{ g} \\
 \hline
 42 \text{ kg} \quad 601 \text{ g}
 \end{array}$$

Exercise - 10 C

$$\begin{array}{r}
 \text{1.} \quad \overset{\textcircled{1}}{6} \text{ kg} \quad 500 \text{ g} \\
 + 4 \text{ kg} \quad 750 \text{ g} \\
 \hline
 11 \text{ kg} \quad 250 \text{ g}
 \end{array}$$

$$\begin{array}{r}
 \text{2.} \quad \overset{\textcircled{7}}{8} \text{ kg} \quad \overset{\textcircled{12}}{250} \text{ g} \\
 - 4 \text{ kg} \quad 500 \text{ g} \\
 \hline
 3 \text{ kg} \quad 750 \text{ g}
 \end{array}$$

$$\begin{array}{r}
 \text{3.} \quad \overset{\textcircled{1}\textcircled{9}}{20} \text{ kg} \quad \overset{\textcircled{9}\textcircled{9}\textcircled{10}}{000} \text{ g} \\
 - 2 \text{ kg} \quad 075 \text{ g} \\
 \hline
 17 \text{ kg} \quad 925 \text{ g}
 \end{array}$$

$$\begin{array}{r}
 \text{4.} \quad \overset{\textcircled{7}}{48} \text{ kg} \quad \overset{\textcircled{9}\textcircled{9}\textcircled{10}}{000} \text{ g} \\
 - 3 \text{ kg} \quad 275 \text{ g} \\
 \hline
 44 \text{ kg} \quad 725 \text{ g}
 \end{array}$$

$$\begin{array}{r}
 \text{5.} \quad \overset{\textcircled{9}\textcircled{11}}{102} \text{ kg} \quad \overset{\textcircled{13}\textcircled{9}\textcircled{10}}{500} \text{ g} \\
 - 97 \text{ kg} \quad 750 \text{ g} \\
 \hline
 4 \text{ kg} \quad 750 \text{ g}
 \end{array}$$

Chapter 11 : Measurement of Capacity

Exercise - 11 A

$$\begin{array}{r}
 \text{a.} \quad \overset{\textcircled{1}}{72} \text{ L} \\
 + 45 \text{ L} \\
 \hline
 117 \text{ L}
 \end{array}$$

$$\begin{array}{r}
 \text{b.} \quad \overset{\textcircled{1}}{85} \text{ L} \\
 + 39 \text{ L} \\
 \hline
 124 \text{ L}
 \end{array}$$

$$\begin{array}{r}
 \text{c.} \quad \overset{\textcircled{1}\textcircled{1}}{196} \text{ L} \\
 + 725 \text{ L} \\
 \hline
 921 \text{ L}
 \end{array}$$

$$\begin{array}{r}
 \text{d.} \quad \overset{\textcircled{2}}{56} \text{ L} \\
 + 69 \text{ L} \\
 + 47 \text{ L} \\
 \hline
 172 \text{ L}
 \end{array}$$

$$\begin{array}{r}
 \text{e.} \quad \overset{\textcircled{1}\textcircled{1}}{238} \text{ L} \\
 + 356 \text{ L} \\
 + 475 \text{ L} \\
 \hline
 1069 \text{ L}
 \end{array}$$

$$\begin{array}{r}
 \text{f.} \quad \overset{\textcircled{1}\textcircled{1}}{432} \text{ L} \\
 + 79 \text{ L} \\
 + 23 \text{ L} \\
 \hline
 534 \text{ L}
 \end{array}$$

$$\begin{array}{r} \text{g. } \overset{\textcircled{1}}{76} \text{ L } \overset{\textcircled{1}\textcircled{1}}{358} \text{ ml} \\ + 38 \text{ L } 195 \text{ ml} \\ \hline 114 \text{ L } 553 \text{ ml} \end{array}$$

$$\begin{array}{r} \text{h. } 23 \text{ L } 635 \text{ ml} \\ + 11 \text{ L } 124 \text{ ml} \\ \hline 34 \text{ L } 759 \text{ ml} \end{array}$$

$$\begin{array}{r} \text{i. } \overset{\textcircled{1}}{123} \text{ L } \overset{\textcircled{1}\textcircled{1}}{635} \text{ ml} \\ + 12 \text{ L } 088 \text{ ml} \\ \hline 135 \text{ L } 723 \text{ ml} \end{array}$$

Exercise - 11 B

$$\begin{array}{r} \text{a. } \overset{\textcircled{1}\textcircled{1}}{94} \text{ L} \\ - 36 \text{ L} \\ \hline 62 \text{ L} \end{array}$$

$$\begin{array}{r} \text{b. } \overset{\textcircled{8}\textcircled{14}}{194} \text{ L} \\ - 28 \text{ L} \\ \hline 166 \text{ L} \end{array}$$

$$\begin{array}{r} \text{c. } 149 \text{ L} \\ - 83 \text{ L} \\ \hline 66 \text{ L} \end{array}$$

$$\begin{array}{r} \text{d. } \overset{\textcircled{6}\textcircled{10}}{470} \text{ ml} \\ - 238 \text{ ml} \\ \hline 232 \text{ ml} \end{array}$$

$$\begin{array}{r} \text{e. } \overset{\textcircled{8}\textcircled{6}\textcircled{15}}{975} \text{ ml} \\ - 499 \text{ ml} \\ \hline 476 \text{ ml} \end{array}$$

$$\begin{array}{r} \text{f. } \overset{\textcircled{7}\textcircled{9}\textcircled{10}}{800} \text{ ml} \\ - 435 \text{ ml} \\ \hline 365 \text{ ml} \end{array}$$

$$\begin{array}{r} \text{g. } 315 \text{ L } \overset{\textcircled{3}\textcircled{11}}{418} \text{ ml} \\ - 12 \text{ L } 245 \text{ ml} \\ \hline 303 \text{ L } 173 \text{ ml} \end{array}$$

$$\begin{array}{r} \text{h. } 287 \text{ L } 789 \text{ ml} \\ - 111 \text{ L } 236 \text{ ml} \\ \hline 176 \text{ L } 553 \text{ ml} \end{array}$$

$$\begin{array}{r} \text{i. } \overset{\textcircled{9}\textcircled{13}}{603} \text{ L } \overset{\textcircled{9}\textcircled{10}}{400} \text{ ml} \\ - 208 \text{ L } 199 \text{ ml} \\ \hline 395 \text{ L } 201 \text{ ml} \end{array}$$

Exercise - 11 C

$$\begin{array}{r} \text{a. } \overset{\textcircled{1}}{4} \text{ L } \overset{\textcircled{1}}{250} \text{ ml} \\ + 5 \text{ L } 750 \text{ ml} \\ \hline 10 \text{ L } 000 \text{ ml} \end{array}$$

$$\begin{array}{r} \text{b. } \overset{\textcircled{4}}{15} \text{ L } \overset{\textcircled{12}}{250} \text{ ml} \\ - 8 \text{ L } 750 \text{ ml} \\ \hline 6 \text{ L } 500 \text{ ml} \end{array}$$

$$\begin{array}{r} \text{c. } \overset{\textcircled{4}}{5} \text{ L } \overset{\textcircled{12}}{250} \text{ ml} \\ - 750 \text{ ml} \\ \hline 4 \text{ L } 500 \text{ ml} \end{array}$$

$$\begin{array}{r} \text{d. } \overset{\textcircled{6}\textcircled{9}\textcircled{10}}{45} \text{ L } 700 \text{ ml} \\ + 22 \text{ L } 275 \text{ ml} \\ \hline 23 \text{ L } 425 \text{ ml} \end{array}$$

$$\begin{array}{r} \text{e. } \overset{\textcircled{1}}{115} \text{ L } 000 \text{ ml} \\ + 135 \text{ L } 500 \text{ ml} \\ \hline 250 \text{ L } 500 \text{ ml} \end{array}$$

Chapter 12 : Time and Calendar

Exercise : 12 A

- a. 9:30 b. 7:00 c. 8:15 d. 6:45

Exercise : 12 B

1. Twelve 2. 365, 366
3. 28 4. 7
5. 7 — January, March, May, July, August, October
December
6. November 14 : Children Day
October 2 : Gandhi Jayanti
December 25 : Christmas Day

Chapter 13 : Geometry

Exercise : 13 A

1. a. 8 vertex, 12 edges and 6 faces
b. no vertex, 2 edges and 3 faces
c. one face
d. no vertex, no edgea and one faces
e. 1 vertex, 1 edges and 2 faces
f. 4
g. 3 vertex and 3 sides
2. a. Sphere b. Square
c. Rectangle d. Rectangle
e. Cone f. Circle
g. Cylinder h. Cuboid