

Vidyalaya's



Intellectual Mathematics

Teacher's Manual

Class II

*Written by :
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Unit 1 : Revision

Page 5 : Numerals and number names :

- | | | | |
|----|-------------|----|-------------|
| 52 | Fifty Two | 18 | Eighteen |
| 80 | Eighty | 53 | Fifty Three |
| 58 | Fifty Eight | 70 | Seventy |
| 30 | Thirty | 68 | Sixty Eight |
| 81 | Eighty One | | |
- | | | |
|--------------|---|---|
| Twenty Six | 2 | 6 |
| Forty Five | 4 | 5 |
| Fifty Seven | 5 | 7 |
| Sixty Eight | 6 | 8 |
| Eighty Three | 8 | 3 |
| Ninety Two | 9 | 2 |
- | | |
|----|----|
| 34 | 44 |
| 49 | 57 |
| 65 | 70 |
| 88 | 93 |
- | | |
|---------------|-------------|
| Seventy Eight | Nineteen |
| Eighty | Twenty Five |
| Sixty Three | Forty Eight |
| Thirty Six | Ninety Nine |
- | | | |
|-----------|-----------|-----------|
| $18 > 12$ | $87 > 78$ | $18 < 81$ |
| $27 < 37$ | $39 = 39$ | $58 < 85$ |
| $78 > 58$ | $70 > 40$ | $45 < 54$ |
| $39 < 93$ | $33 < 66$ | $10 < 90$ |
- Circle the greatest numeral :

54	41	90
60	72	72
80	94	15
83	96	93
- The smallest first :*

13	31	45	54	13	25	31	52
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7. *The greatest first :*

74 47 21 12 98 89 71 17

Page 8 8. *Look, understand and write :*

- a. Second b. First
c. Fifth d. Third
e. Seventh

9. Wednesday 4 Friday 6
 Tuesday 3 Monday 2
 Thursday 5 Saturday 7

10. 20 19 18 17 16 15 14 13 12 11 10
 78 77 76 75 74 73 72 71 70 69 68

11. 19 20 63 64 73 74 56 57
 33 34 36 64 65 66
 37 38 58 59 80 81 62 63
 49 50 51 79 80 81

12. 6 9 12 15 18 21 24 27 30 33 36 39

13. 2 6 10 14 18 22 26 30 34 38 42 46

14. 0 5 10 15 20 25 30 35 40 45 50 55

15. Add down :

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ 4 \quad 4 \\ + 5 \quad 2 \\ \hline 9 \quad 6 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ 2 \quad 6 \\ + 5 \quad 3 \\ \hline 7 \quad 9 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ 3 \quad 5 \\ + 4 \quad 0 \\ \hline 7 \quad 5 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ 6 \quad 0 \\ + 3 \quad 8 \\ \hline 9 \quad 8 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ 4 \quad 4 \\ + 4 \quad 4 \\ \hline 8 \quad 8 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ 5 \quad 1 \\ + 2 \quad 7 \\ \hline 7 \quad 8 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ 5 \quad 4 \\ + 2 \quad 0 \\ + 1 \quad 3 \\ \hline 8 \quad 7 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ 5 \quad 0 \\ + 1 \quad 3 \\ + 2 \quad 4 \\ \hline 8 \quad 7 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ 2 \quad 5 \\ + 6 \quad 1 \\ + 1 \quad 3 \\ \hline 9 \quad 9 \end{array}$$

16. Find the sum

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ \textcircled{1} \\ 6 \quad 7 \\ + 2 \quad 5 \\ \hline 9 \quad 2 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ \textcircled{1} \\ 3 \quad 6 \\ + 3 \quad 8 \\ \hline 7 \quad 4 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ \textcircled{1} \\ 7 \quad 5 \\ + 1 \quad 9 \\ \hline 9 \quad 4 \end{array}$$

17. Find the sum

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ \textcircled{1} \\ 4 \quad 8 \\ + 3 \quad 6 \\ \hline 8 \quad 4 \end{array}$$

18. Subtraction

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ 7 \quad 9 \\ - 2 \quad 6 \\ \hline 5 \quad 3 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ 9 \quad 9 \\ - 4 \quad 4 \\ \hline 5 \quad 5 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ 4 \quad 7 \\ - 3 \quad 2 \\ \hline 1 \quad 5 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ 4 \quad 7 \\ - 2 \quad 5 \\ \hline 2 \quad 2 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ 8 \quad 9 \\ - 4 \quad 3 \\ \hline 4 \quad 6 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ 9 \quad 7 \\ - 6 \quad 6 \\ \hline 2 \quad 1 \end{array}$$

19. Find the difference :

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ \textcircled{7} \quad \textcircled{12} \\ \cancel{8} \quad 2 \\ - 4 \quad 6 \\ \hline 3 \quad 6 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ \textcircled{6} \quad \textcircled{10} \\ \cancel{7} \quad 0 \\ - 4 \quad 5 \\ \hline 2 \quad 5 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ \textcircled{4} \quad \textcircled{12} \\ \cancel{5} \quad 2 \\ - 3 \quad 9 \\ \hline 1 \quad 3 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ \textcircled{7} \quad \textcircled{13} \\ \cancel{8} \quad 3 \\ - 0 \quad 8 \\ \hline 7 \quad 5 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ \textcircled{5} \quad \textcircled{10} \\ \cancel{6} \quad 0 \\ - 3 \quad 8 \\ \hline 2 \quad 2 \end{array}$$

$$\begin{array}{r} \text{Tens} \quad \text{Ones} \\ \textcircled{8} \quad \textcircled{12} \\ \cancel{9} \quad 2 \\ - 6 \quad 7 \\ \hline 2 \quad 5 \end{array}$$

$$\begin{array}{r}
 \text{Tens} \quad \text{Ones} \\
 \textcircled{6} \quad \textcircled{12} \\
 \cancel{7} \quad 2 \\
 - 3 \quad 5 \\
 \hline
 3 \quad 7
 \end{array}$$

21. 5 groups of 3 cherries
 $5 \times 3 = 15$ cherries

4 groups of 6 leaves
 $4 \times 6 = 24$ leaves

22. $4 \times 8 = 32$ $6 \times 6 = 36$ $5 \times 8 = 40$
 $9 \times 5 = 45$ $10 \times 3 = 30$ $7 \times 7 = 49$

23. **Multiply**

$$\begin{array}{r}
 \text{Tens} \quad \text{Ones} \\
 1 \quad 2 \\
 \times \quad 3 \\
 \hline
 3 \quad 6
 \end{array}$$

$$\begin{array}{r}
 \text{Tens} \quad \text{Ones} \\
 2 \quad 3 \\
 \times \quad 2 \\
 \hline
 4 \quad 6
 \end{array}$$

$$\begin{array}{r}
 \text{Tens} \quad \text{Ones} \\
 2 \quad 1 \\
 \times \quad 4 \\
 \hline
 8 \quad 4
 \end{array}$$

24.
$$\begin{array}{r}
 \text{Tens} \quad \text{Ones} \\
 \quad \quad 6 \\
 \times \quad 8 \\
 \hline
 4 \quad 8
 \end{array}$$

25. Divide the following using multiplication tables

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

$$\begin{array}{r}
 4 \overline{)36} \overline{)9} \\
 -36 \\
 \hline
 \times
 \end{array}$$

$$\begin{array}{r}
 3 \overline{)27} \overline{)9} \\
 -27 \\
 \hline
 \times
 \end{array}$$

26. See the clock and write the time :
 The short hand points to 3
 The long hand points to 12
 It is 3 o'clock

The short hand points to 7
The long hand points to 12
It is 7 o'clock

Page 14 Money

1. R 3
2. R 70
3. R 60
4. R 15
5. R 12
6. R 21

Unit 2 : Three Digit Numbers

Page 17

1. Write the numeral :

$$2 \text{ hundreds} + 6 \text{ Tens} + 8 \text{ Ones} = 268$$

$$3 \text{ hundreds} + 4 \text{ Tens} + 0 \text{ Ones} = 340$$

$$2 \text{ hundreds} + 8 \text{ Tens} + 6 \text{ Ones} = 286$$

$$4 \text{ hundreds} + 6 \text{ Tens} + 7 \text{ Ones} = 467$$

$$5 \text{ hundreds} + 0 \text{ Tens} + 1 \text{ Ones} = 501$$

$$6 \text{ hundreds} + 6 \text{ Tens} + 6 \text{ Ones} = 666$$

$$6 \text{ hundreds} + 1 \text{ Tens} + 8 \text{ Ones} = 618$$

$$2 \text{ hundreds} + 8 \text{ Tens} + 4 \text{ Ones} = 284$$

$$7 \text{ hundreds} + 7 \text{ Tens} + 7 \text{ Ones} = 777$$

2. Fill in the blanks :

148 1 Hundred 100 + 4 Tens 40 + 8 Ones 8

657 6 Hundreds 600 + 5 Tens 50 + 7 Ones 7

708 7 Hundreds 700 + 0 Tens 00 + 8 Ones 8

349 3 Hundreds 300 + 4 Tens 40 + 9 Ones 9

813 8 Hundreds 800 + 1 Ten 10 + 3 Ones 3

888 8 Hundreds 800 + 8 Tens 80 + 8 Ones 8

915 9 Hundreds 900 + 1 Ten 10 + 5 Ones 5

543 5 Hundreds 500 + 4 Tens 40 + 3 Ones 3

345 3 Hundreds 300 + 4 Tens 40 + 5 Ones 5

3. Complete the table with numbers from 101 to 200

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

4. Complete the table with numbers from 701 to 800

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

5. Write counting backwards (300 to 201)

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

6. Write counting backwards (900 to 801)

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

8. Fill in the blanks :

- a. $97 \times 9 = 873$
- b. $102 \times 6 = 612$
- c. $105 \times 4 = 420$
- d. 97 99 101 103 105 107 109 111 113
- e. 102 99 96 93 90 87 84 81 78
- f. 105 109 113 117 121 125 129 133 137

9. Observe the pattern and fill in the blanks :

160 170 180 190 200 210 220 230 240 250
120 124 128 132 136 140 144 148 152 156
100 200 300 400 500 600 700 800 900 1000
120 160 200 240 280 320 360 400 440 480
150 250 350 450 550 650 750 850 950 1050
101 103 105 107 109 111 113 115 117 119
145 140 135 130 125 120 115 110 105 100
125 135 145 155 165 175 185 195 205 215

10. Write the numerals for Write the number names for

312	Two hundred fifty six
530	Three hundred eighty nine
576	Two hundred eighty one
637	Four hundred sixty two

757	Three hundred thirty two
981	Nine hundred eighteen
619	Five hundred thirteen
828	Seven hundred ninety nine
973	Five hundred forty four

11. Write the number that comes :

<i>Just After</i>	<i>Just Before</i>
89 → 90	399 ← 400
100 → 101	384 ← 385
230 → 231	599 ← 600
546 → 547	745 ← 746
631 → 632	898 ← 899

12. Write the number between the given numbers :

78	79	80		641	642	643
110	111	112		793	794	795
249	250	251		821	822	823
374	375	376		917	918	919
448	449	450		990	991	992
587	588	589		187	188	189

13. Write the greater number in the box :

139	389
998	513
786	673

14. Circle the smallest number :

547	107
188	198
139	546

15. Compare the numbers and put > or < signs :

530 > 305	139 < 193	649 > 395
-----------	-----------	-----------

$437 < 719$ $907 > 709$ $59 < 589$
 $653 > 635$ $711 > 117$ $249 < 348$

- 16. Write the successor and predecessor of the following numbers :**

<i>Number</i>	<i>Successor</i>	<i>Predecessor</i>
134	135	133
289	290	288
318	319	317
640	641	639

- 17. Arrange the following numbers in increasing order:**

357, 514, 705, 745, 993
 275, 672, 821, 926, 985
 403, 411, 421, 623, 733
 273, 757, 776, 791, 965

- 18. Arrange the following numbers in decreasing order:**

879, 745, 594, 328, 157
 869, 795, 690, 523, 448
 862, 630, 560, 433, 288
 998, 843, 776, 627, 547

- 19.** a. 9 b. 99 c. 999

20. 99

21. 10

22. 999

23. 950

24. 267

25. B 44

26. Lucknow

27. Nidhi

28. First – 485 Second – 409 Third – 389

Test Paper – I

Page 29 *Mental Maths*

1. 9
2. 249
3. 58, 59, 61, 62, 63, 67
4. 650
5. 799

Multiple Choice Question

- | | |
|--------|--------|
| 1. (c) | 2. (d) |
| 3. (c) | 4. (a) |
| 5. (c) | 6. (c) |
| 7. (b) | 8. (c) |

Page 30 *Activity Time*

1. Less than 40
2. Less than 30
3. More than 20

Unit – 3 : Addition

Page 32 1. Fill in the blanks :

6 and 4 are the addends and 10 is their sum.

8 and 9 are the addends and 17 is their sum.

9, 2 and 7 are the addends and 18 is their sum.

Addends are 6 and 8 and their sum is 14.

Addends are 12 and 15 and their sum is 27.

2. $7 + 7 = 14$

$$12 + 6 = 18$$

$$9 + 8 = 17$$

3. 4 and 7 make 11

11 and 14 make 25

10 and 12 make 22

4. $7 + 2 = 2 + 7$

$$6 + 4 = 4 + 6$$

$$7 + 1 = 1 + 7$$

$$19 + 20 = 20 + 19$$

$$13 + 16 = 16 + 13$$

$$11 + 18 = 18 + 11$$

$$15 + 12 = 12 + 15$$

$$17 + 13 = 13 + 17$$

$$6 + 2 + 8 = 8 + (6 + 2)$$

$$9 + (8 + 2) = 8 + (9 + 2)$$

$$(12 + 13) + 14 = 14 + (12 + 13)$$

$$(11 + 15) + 12 = 12 + (11 + 15)$$

5. $6 + 0 = 6$

$$138 + 1 = 139$$

$$29 + 1 = 30$$

$$40 + 10 = 50$$

$$58 + 20 = 78$$

$$532 + 100 = 632$$

$$76 + 1 = 77$$

$$518 + 200 = 718$$

$$136 + 0 = 136$$

$$88 + 0 = 88$$

$$4 + 6 + 9 = 19$$

$$0 + 101 = 101$$

6. $28 \rightarrow 2 \text{ tens and } 7 \text{ ones} \rightarrow 20 + 7$

$$+ 33 \rightarrow 3 \text{ tens and } 3 \text{ ones} \rightarrow 30 + 3$$

$$5 \text{ tens and } 9 \text{ ones} \rightarrow 50 + 9$$

$$= 50 + 9$$

$$= 59$$

$65 \rightarrow 6 \text{ tens and } 5 \text{ ones} \rightarrow 60 + 7$
 $+ 24 \rightarrow 2 \text{ tens and } 4 \text{ ones} \rightarrow 20 + 2$
 $2 \text{ tens and } 9 \text{ ones} \rightarrow 80 + 9$
 $= 80 + 9 = 89$

7.

T	O
1	5
+ 2	4
<u>3</u>	<u>9</u>

T	O
7	9
+ 2	0
<u>9</u>	<u>9</u>

T	O
5	1
+ 4	2
<u>9</u>	<u>3</u>

T	O
2	1
+ 6	6
<u>8</u>	<u>7</u>

T	O
7	1
+ 2	6
<u>8</u>	<u>7</u>

T	O
5	4
+ 2	1
<u>7</u>	<u>5</u>

T	O
3	2
+ 5	1
<u>8</u>	<u>3</u>

T	O
2	4
+ 4	2
<u>6</u>	<u>6</u>

T	O
8	1
+ 1	3
<u>9</u>	<u>4</u>

T	O
2	5
+ 2	2
<u>4</u>	<u>7</u>

T	O
6	7
+ 2	2
<u>8</u>	<u>9</u>

T	O
3	5
+ 5	3
<u>8</u>	<u>8</u>

T	O
3	3
+ 5	4
<u>8</u>	<u>7</u>

T	O
3	8
+ 6	0
<u>9</u>	<u>8</u>

T	O
1	1
+ 7	2
<u>8</u>	<u>3</u>

T	O
1	6
+ 2	3
<u>3</u>	<u>9</u>

T	O
5	9
+ 3	0
<u>8</u>	<u>9</u>

T	O
7	6
+ 2	1
<u>9</u>	<u>7</u>

T	O
3	7
+ 2	1
<u>5</u>	<u>8</u>

T	O
7	4
+ 2	5
<u>9</u>	<u>9</u>

8. Add the following horizontally

$50 + 25 = 75$

$24 + 73 = 97$

$52 + 24 = 76$

$23 + 50 = 73$

$60 + 35 = 95$

$37 + 50 = 87$

$16 + 61 = 77$

$40 + 24 = 64$

$30 + 60 = 90$

$43 + 23 = 66$

$51 + 32 = 83$

$73 + 22 = 95$

$35 + 12 = 47$

$62 + 36 = 98$

$15 + 61 = 76$

$33 + 16 = 49$

$35 + 11 = 46$

$38 + 51 = 89$

9. Find the sum :

T O	T O	T O	T O
4 1	2 5	2 6	1 2
+ 3 0	+ 2 2	+ 2 1	+ 1 3
<u>+ 1 0</u>	<u>+ 2 1</u>	<u>+ 4 0</u>	<u>+ 1 4</u>
<u>8 1</u>	<u>6 8</u>	<u>8 7</u>	<u>3 9</u>

10. Find the sum :

T O H	T O H	T O H	T O H
4 6 1	6 2 3	1 0 1	4 5 1
+ 3 0 4	+ 1 4 4	+ 8 2 7	+ 5 1 8
<u>7 6 5</u>	<u>7 6 7</u>	<u>9 2 8</u>	<u>9 6 9</u>

T O H	T O H	T O H	T O H
7 2 1	6 2 7	2 7 1	2 6 5
+ 1 2 4	+ 1 5 1	+ 6 2 5	+ 4 3 2
<u>8 4 5</u>	<u>7 7 8</u>	<u>8 9 6</u>	<u>6 9 7</u>

T O H	T O H	T O H	T O H
3 3 2	1 3 4	5 7 2	4 3 2
+ 6 1 5	+ 4 2 5	+ 3 2 5	+ 5 4 3
<u>9 4 7</u>	<u>5 5 9</u>	<u>8 9 7</u>	<u>9 7 5</u>

T O H	T O H	T O H	T O H
3 0 7	3 3 2	1 3 2	4 0 5
+ 1 0 2	+ 2 6 4	+ 5 4 4	+ 3 1 2
<u>4 0 9</u>	<u>5 9 6</u>	<u>6 7 6</u>	<u>7 1 7</u>

11. Find the sum :

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

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

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

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

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

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

12. Add down :

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 3 \quad 6 \\ + 3 \quad 8 \\ \hline 7 \quad 4 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 6 \quad 8 \\ + 2 \quad 9 \\ \hline 9 \quad 7 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 2 \quad 3 \\ 4 \quad 8 \\ \hline 7 \quad 1 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 2 \quad 7 \\ + 5 \quad 3 \\ \hline 8 \quad 0 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 7 \quad 3 \\ + 1 \quad 9 \\ \hline 9 \quad 2 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 7 \quad 6 \\ + 1 \quad 8 \\ \hline 9 \quad 4 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 6 \quad 7 \\ + 2 \quad 7 \\ \hline 9 \quad 4 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 3 \quad 6 \\ + 3 \quad 9 \\ \hline 7 \quad 5 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 2 \quad 6 \\ + 5 \quad 6 \\ \hline 8 \quad 2 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 4 \quad 8 \\ + 2 \quad 6 \\ \hline 7 \quad 4 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 4 \quad 8 \\ + 4 \quad 2 \\ \hline 9 \quad 0 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 6 \quad 7 \\ + 2 \quad 5 \\ \hline 9 \quad 2 \end{array}$$

13. Find the sum :

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 6 \quad 8 \\ + 2 \quad 9 \\ \hline 9 \quad 7 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 3 \quad 8 \\ + 3 \quad 8 \\ \hline 7 \quad 6 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 6 \quad 5 \\ + 2 \quad 7 \\ \hline 9 \quad 2 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 5 \quad 1 \\ + 3 \quad 9 \\ \hline 9 \quad 0 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 2 \quad 5 \\ + 4 \quad 5 \\ \hline 7 \quad 0 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 6 \quad 5 \\ + 2 \quad 8 \\ \hline 9 \quad 3 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 7 \quad 3 \\ + 7 \quad 8 \\ \hline 15 \quad 1 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 4 \quad 4 \\ + 3 \quad 9 \\ \hline 8 \quad 3 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 4 \quad 9 \\ + 4 \quad 8 \\ \hline 9 \quad 7 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 6 \quad 5 \\ + 2 \quad 9 \\ \hline 9 \quad 4 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 2 \quad 4 \\ + 5 \quad 6 \\ \hline 8 \quad 0 \end{array}$$

$$\begin{array}{r} \text{Tens Ones} \\ \textcircled{1} \\ 5 \quad 4 \\ + 3 \quad 8 \\ \hline 9 \quad 2 \end{array}$$

$$\begin{array}{r}
 \text{Tens Ones} \\
 \textcircled{1} \\
 4 \quad 3 \\
 + 2 \quad 9 \\
 \hline
 7 \quad 2
 \end{array}$$

$$\begin{array}{r}
 \text{Tens Ones} \\
 \textcircled{1} \\
 2 \quad 6 \\
 + 3 \quad 8 \\
 \hline
 6 \quad 4
 \end{array}$$

$$\begin{array}{r}
 \text{Tens Ones} \\
 \textcircled{1} \\
 4 \quad 3 \\
 + 4 \quad 7 \\
 \hline
 9 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{Tens Ones} \\
 \textcircled{1} \\
 6 \quad 9 \\
 + 8 \quad 8 \\
 \hline
 15 \quad 7
 \end{array}$$

$$\begin{array}{r}
 \text{Tens Ones} \\
 \textcircled{1} \\
 5 \quad 8 \\
 + 3 \quad 2 \\
 \hline
 9 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{Tens Ones} \\
 \textcircled{1} \\
 6 \quad 9 \\
 + 4 \quad 7 \\
 \hline
 11 \quad 6
 \end{array}$$

$$\begin{array}{r}
 \text{Tens Ones} \\
 \textcircled{1} \\
 2 \quad 9 \\
 + 2 \quad 7 \\
 \hline
 5 \quad 6
 \end{array}$$

$$\begin{array}{r}
 \text{Tens Ones} \\
 \textcircled{1} \\
 4 \quad 7 \\
 + 8 \quad 4 \\
 \hline
 13 \quad 1
 \end{array}$$

$$\begin{array}{r}
 \text{Tens Ones} \\
 \textcircled{1} \\
 3 \quad 8 \\
 + 3 \quad 6 \\
 \hline
 7 \quad 4
 \end{array}$$

$$\begin{array}{r}
 \text{Tens Ones} \\
 \textcircled{1} \\
 6 \quad 9 \\
 + 9 \quad 7 \\
 \hline
 16 \quad 6
 \end{array}$$

$$\begin{array}{r}
 \text{Tens Ones} \\
 \textcircled{1} \\
 4 \quad 6 \\
 + 6 \quad 5 \\
 \hline
 11 \quad 1
 \end{array}$$

$$\begin{array}{r}
 \text{Tens Ones} \\
 \textcircled{1} \\
 7 \quad 6 \\
 + 4 \quad 8 \\
 \hline
 12 \quad 4
 \end{array}$$

14. Find the sum :

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

$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{1} \textcircled{1} \\
 4 \quad 3 \quad 5 \\
 + 2 \quad 7 \quad 8 \\
 \hline
 7 \quad 1 \quad 3
 \end{array}$$

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

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

$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{1} \textcircled{1} \\
 1 \quad 5 \quad 6 \\
 + 1 \quad 8 \quad 8 \\
 \hline
 3 \quad 4 \quad 4
 \end{array}$$

$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{1} \textcircled{1} \\
 3 \quad 2 \quad 8 \\
 + 3 \quad 9 \quad 2 \\
 \hline
 7 \quad 2 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{1} \textcircled{1} \\
 5 \quad 6 \quad 9 \\
 + 1 \quad 8 \quad 3 \\
 \hline
 7 \quad 5 \quad 2
 \end{array}$$

$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{1} \textcircled{1} \\
 2 \quad 6 \quad 7 \\
 + 3 \quad 7 \quad 8 \\
 \hline
 6 \quad 4 \quad 5
 \end{array}$$

$$\begin{array}{r}
 \text{H T O} \\
 \text{○ ①} \\
 2\ 5\ 4 \\
 + 2\ 2\ 8 \\
 \hline
 4\ 8\ 2
 \end{array}$$

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

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

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

$$\begin{array}{r}
 \text{H T O} \\
 \text{○ ①} \\
 3\ 3\ 6 \\
 + 1\ 4\ 4 \\
 \hline
 4\ 8\ 0
 \end{array}$$

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

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

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

$$\begin{array}{r}
 \text{H T O} \\
 \text{○ ①} \\
 1\ 4\ 8 \\
 + 3\ 2\ 2 \\
 \hline
 4\ 7\ 0
 \end{array}$$

$$\begin{array}{r}
 \text{H T O} \\
 \text{① ①} \\
 1\ 8\ 9 \\
 + 4\ 9\ 9 \\
 \hline
 6\ 8\ 8
 \end{array}$$

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

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

$$\begin{array}{r}
 \text{H T O} \\
 \text{○ ①} \\
 4\ 4\ 8 \\
 + 3\ 3\ 9 \\
 \hline
 7\ 8\ 7
 \end{array}$$

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

$$\begin{array}{r}
 \text{H T O} \\
 \text{① ①} \\
 4\ 4\ 8 \\
 + 3\ 9\ 9 \\
 \hline
 8\ 4\ 7
 \end{array}$$

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

$$\begin{array}{r}
 \text{H T O} \\
 \text{○ ①} \\
 2\ 3\ 7 \\
 + 5\ 1\ 5 \\
 \hline
 7\ 5\ 2
 \end{array}$$

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

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

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

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

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

$$\begin{array}{r}
 \text{H T O} \\
 \text{① ①} \\
 4\ 9\ 7 \\
 + 3\ 4\ 7 \\
 \hline
 8\ 4\ 4
 \end{array}$$

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

$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{1} \textcircled{1} \\
 1 \ 5 \ 8 \\
 + 6 \ 8 \ 9 \\
 \hline
 8 \ 4 \ 7
 \end{array}$$

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

$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{1} \textcircled{1} \\
 5 \ 8 \ 9 \\
 + 1 \ 8 \ 3 \\
 \hline
 7 \ 7 \ 2
 \end{array}$$

$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{1} \textcircled{1} \\
 6 \ 0 \ 9 \\
 + 2 \ 9 \ 1 \\
 \hline
 9 \ 0 \ 0
 \end{array}$$

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

$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{1} \textcircled{1} \\
 1 \ 6 \ 8 \\
 + 4 \ 4 \ 9 \\
 \hline
 6 \ 1 \ 7
 \end{array}$$

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

$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{1} \textcircled{1} \\
 6 \ 2 \ 9 \\
 + 0 \ 8 \ 9 \\
 \hline
 7 \ 1 \ 8
 \end{array}$$

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

$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{1} \textcircled{1} \\
 5 \ 9 \ 7 \\
 + 3 \ 5 \ 3 \\
 \hline
 9 \ 5 \ 0
 \end{array}$$

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

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

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

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

$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{1} \textcircled{1} \\
 3 \ 9 \ 5 \\
 + 4 \ 8 \ 9 \\
 \hline
 8 \ 8 \ 4
 \end{array}$$

$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{1} \textcircled{1} \\
 6 \ 9 \ 3 \\
 + 2 \ 3 \ 8 \\
 \hline
 9 \ 3 \ 1
 \end{array}$$

$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{1} \textcircled{1} \\
 4 \ 3 \ 3 \\
 + 4 \ 7 \ 7 \\
 \hline
 9 \ 1 \ 0
 \end{array}$$

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

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

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

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

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

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

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

15. Tens Ones

$$\begin{array}{r}
 \textcircled{1} \\
 2 \quad 5 \\
 + 1 \quad 6 \\
 \hline
 4 \quad 1
 \end{array}$$

16. T O

$$\begin{array}{r}
 4 \quad 2 \\
 + 2 \quad 0 \\
 + 1 \quad 6 \\
 \hline
 7 \quad 8
 \end{array}$$

17. H T O

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

18. H T O

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

19. H T O

$$\begin{array}{r}
 \textcircled{1} \textcircled{2} \\
 1 \quad 2 \quad 5 \\
 + 1 \quad 1 \quad 8 \\
 + 1 \quad 6 \quad 8 \\
 \hline
 4 \quad 1 \quad 1
 \end{array}$$

20. H T O

$$\begin{array}{r}
 \textcircled{1} \textcircled{1} \\
 2 \quad 7 \quad 8 \\
 + 2 \quad 3 \quad 6 \\
 \hline
 5 \quad 1 \quad 4
 \end{array}$$

21. H T O

$$\begin{array}{r}
 \textcircled{1} \textcircled{1} \\
 4 \quad 6 \quad 8 \\
 + 0 \quad 5 \quad 6 \\
 \hline
 5 \quad 2 \quad 4
 \end{array}$$

22. H T O

$$\begin{array}{r}
 \textcircled{1} \textcircled{1} \\
 3 \quad 4 \quad 8 \\
 + 2 \quad 4 \quad 5 \\
 + 1 \quad 3 \quad 0 \\
 \hline
 7 \quad 2 \quad 3
 \end{array}$$

23. H T O

$$\begin{array}{r}
 \textcircled{1} \textcircled{1} \\
 2 \quad 2 \quad 5 \\
 + 2 \quad 2 \quad 0 \\
 + 1 \quad 8 \quad 8 \\
 \hline
 6 \quad 3 \quad 3
 \end{array}$$

Unit – 4 : Subtraction

Page 32 1. Fill in the blanks :

$$\begin{array}{lll} 6 + 3 = 9 & 8 + 2 = 10 & 3 + 5 = 8 \\ 9 - 3 = 6 & 10 - 2 = 8 & 8 - 5 = 3 \\ 2 + 6 = 8 & 3 + 4 = 7 & 6 + 8 = 14 \\ 8 - 6 = 2 & 7 - 4 = 3 & 14 - 8 = 6 \end{array}$$

2. Write a subtraction fact for each of the following addition facts :

$$\begin{array}{ll} 15 + 5 = 20 & 20 - 5 = 15 \\ 15 + 12 = 27 & 27 - 12 = 15 \\ 12 + 3 = 15 & 15 - 3 = 12 \\ 30 + 10 = 40 & 40 - 10 = 30 \\ 10 + 6 = 16 & 16 - 6 = 10 \\ 52 + 7 = 59 & 59 - 7 = 52 \end{array}$$

3. Add these numbers together and check your answer by subtraction :

$$\begin{array}{ll} 3 + 7 = 10 & 7 + 2 = 9 \\ 10 - 7 = 3 & 9 - 2 = 7 \\ 5 + 5 = 10 & 6 + 1 = 7 \\ 10 - 5 = 5 & 7 - 1 = 6 \end{array}$$

4. Fill in the blanks :

$$\begin{array}{ll} 25 - 0 = 25 & 35 - 10 = 25 \\ 85 - 20 = 65 & 375 - 0 = 375 \\ 489 - 100 = 389 & 970 - 200 = 770 \end{array}$$

5. Subtract (Use the short form) :

$$\begin{array}{r} \begin{array}{r} \text{T} \quad \text{O} \\ 3 \quad 9 \\ - 2 \quad 3 \\ \hline 1 \quad 6 \end{array} \quad \begin{array}{r} \text{T} \quad \text{O} \\ 2 \quad 6 \\ - 1 \quad 3 \\ \hline 1 \quad 3 \end{array} \quad \begin{array}{r} \text{T} \quad \text{O} \\ 9 \quad 9 \\ - 6 \quad 6 \\ \hline 3 \quad 3 \end{array} \quad \begin{array}{r} \text{T} \quad \text{O} \\ 6 \quad 9 \\ - 3 \quad 1 \\ \hline 3 \quad 8 \end{array} \end{array}$$

$$\begin{array}{r} \text{T O} \\ 9 \ 8 \\ - 6 \ 2 \\ \hline 3 \ 6 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 7 \ 9 \\ - 3 \ 8 \\ \hline 4 \ 1 \end{array}$$

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

$$\begin{array}{r} \text{T O} \\ 7 \ 8 \\ - 6 \ 3 \\ \hline 1 \ 5 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 7 \ 5 \\ - 2 \ 5 \\ \hline 5 \ 0 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 8 \ 8 \\ - 2 \ 3 \\ \hline 6 \ 5 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 8 \ 8 \\ - 5 \ 6 \\ \hline 3 \ 2 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 8 \ 5 \\ - 6 \ 1 \\ \hline 2 \ 4 \end{array}$$

6. Find the difference :

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

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

$$\begin{array}{r} \text{T O H} \\ 8 \ 6 \ 6 \\ - 3 \ 3 \ 3 \\ \hline 5 \ 3 \ 3 \end{array}$$

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

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

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

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

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

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

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

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

$$\begin{array}{r} \text{T O H} \\ 2 \ 5 \ 6 \\ - 1 \ 4 \ 2 \\ \hline 1 \ 1 \ 4 \end{array}$$

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

$$\begin{array}{r} \text{T O H} \\ 8 \ 8 \ 9 \\ - 6 \ 7 \ 2 \\ \hline 2 \ 1 \ 7 \end{array}$$

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

$$\begin{array}{r} \text{T O H} \\ 9 \ 9 \ 9 \\ - 3 \ 4 \ 6 \\ \hline 6 \ 5 \ 3 \end{array}$$

7. Find the difference :

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

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

$$\begin{array}{r} \text{T} \quad \text{O} \\ \textcircled{3} \quad \textcircled{18} \\ \cancel{4} \quad 8 \\ - 2 \quad 9 \\ \hline 1 \quad 7 \end{array}$$

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

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

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

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

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

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

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

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

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

14. Find the sum :

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{3} \textcircled{11} \textcircled{13} \\ 4 \quad 2 \quad 3 \\ - 3 \quad 6 \quad 5 \\ \hline 0 \quad 5 \quad 8 \end{array}$$

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{4} \textcircled{12} \textcircled{12} \\ 5 \quad 3 \quad 2 \\ - 2 \quad 4 \quad 6 \\ \hline 2 \quad 8 \quad 6 \end{array}$$

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{2} \textcircled{11} \textcircled{10} \\ 3 \quad 2 \quad 0 \\ - 1 \quad 6 \quad 8 \\ \hline 1 \quad 5 \quad 2 \end{array}$$

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{O} \\ \textcircled{6} \textcircled{13} \textcircled{18} \\ 7 \quad 4 \quad 8 \\ - 5 \quad 7 \quad 9 \\ \hline 1 \quad 6 \quad 9 \end{array}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

9.
$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{0} \textcircled{13} \textcircled{14} \\
 1 \ 4 \ 4 \\
 - 0 \ 7 \ 5 \\
 \hline
 0 \ 6 \ 9
 \end{array}$$

10.
$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{2} \textcircled{10} \textcircled{12} \\
 3 \ 1 \ 2 \\
 - 1 \ 6 \ 3 \\
 \hline
 1 \ 4 \ 9
 \end{array}$$

11.
$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{7} \textcircled{13} \textcircled{15} \\
 8 \ 4 \ 5 \\
 - 4 \ 5 \ 6 \\
 \hline
 3 \ 8 \ 9
 \end{array}$$

12.
$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{4} \textcircled{13} \textcircled{10} \\
 5 \ 4 \ 0 \\
 - 0 \ 5 \ 4 \\
 \hline
 4 \ 8 \ 6
 \end{array}$$

13.
$$\begin{array}{r}
 \text{H T O} \\
 \textcircled{5} \textcircled{9} \textcircled{15} \\
 6 \ 0 \ 5 \\
 - 3 \ 4 \ 7 \\
 \hline
 2 \ 5 \ 8
 \end{array}$$

Unit – 5 : Multiplication

Page 58 1. Write what term is the coloured number :

Multiplier

Product

Product

Multiplicand

Product

Multiplier

2. Fill in the blanks :

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

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

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

$$8 \times 1 = 8$$

$$9 \times 1 = 9$$

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

$$7 \times 6 = 6 \times 7$$

$$3 \times 0 = 0$$

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

$$4 \times 10 = 40$$

3. Complete the multiplication table :

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

4. Multiply using multiplication tables :

$$4 \times 3 = 12$$

$$3 \times 4 = 12$$

$$5 \times 4 = 20$$

$$9 \times 2 = 18$$

$$7 \times 5 = 35$$

$$2 \times 9 = 18$$

$$5 \times 6 = 30$$

$$9 \times 5 = 45$$

$$9 \times 6 = 54$$

$$5 \times 10 = 50$$

$$7 \times 8 = 56$$

$$8 \times 6 = 48$$

$6 \times 4 = 24$

$10 \times 8 = 80$

$8 \times 9 = 72$

$4 \times 6 = 24$

$3 \times 9 = 27$

$4 \times 8 = 32$

$6 \times 5 = 30$

$6 \times 8 = 48$

$7 \times 7 = 49$

$9 \times 8 = 72$

$7 \times 4 = 28$

$6 \times 10 = 60$

5. Multiply the following :

$$\begin{array}{r} 6 \\ \times 3 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 8 \\ \times 3 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline 25 \end{array}$$

$$\begin{array}{r} 6 \\ \times 9 \\ \hline 54 \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline 35 \end{array}$$

$$\begin{array}{r} 3 \\ \times 6 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 6 \\ \times 5 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline 63 \end{array}$$

$$\begin{array}{r} 7 \\ \times 2 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline 21 \end{array}$$

$$\begin{array}{r} 3 \\ \times 5 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 8 \\ \times 9 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 2 \\ \times 6 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 2 \\ \times 8 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline 27 \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline 64 \end{array}$$

$$\begin{array}{r} 8 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 8 \\ \times 6 \\ \hline 48 \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline 21 \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline 81 \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline 63 \end{array}$$

6. Multiply the following :

$$\begin{array}{r} \text{T O} \\ 24 \\ \times 2 \\ \hline 48 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 23 \\ \times 3 \\ \hline 69 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 32 \\ \times 2 \\ \hline 64 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 12 \\ \times 4 \\ \hline 48 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 75 \\ \times 1 \\ \hline 75 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 11 \\ \times 6 \\ \hline 66 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 22 \\ \times 4 \\ \hline 88 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 42 \\ \times 2 \\ \hline 84 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 33 \\ \times 3 \\ \hline 99 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 34 \\ \times 2 \\ \hline 68 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 40 \\ \times 3 \\ \hline 120 \end{array}$$

$$\begin{array}{r} \text{T O} \\ 12 \\ \times 3 \\ \hline 36 \end{array}$$

7. Multiply the following :

$$\begin{array}{r} \text{H T O} \\ 231 \\ \times 3 \\ \hline 693 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 232 \\ \times 2 \\ \hline 464 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 112 \\ \times 4 \\ \hline 448 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 111 \\ \times 5 \\ \hline 555 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 323 \\ \times 3 \\ \hline 969 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 111 \\ \times 6 \\ \hline 666 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 403 \\ \times 2 \\ \hline 806 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 111 \\ \times 8 \\ \hline 888 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 100 \\ \times 9 \\ \hline 900 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 112 \\ \times 3 \\ \hline 336 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 232 \\ \times 3 \\ \hline 696 \end{array}$$

$$\begin{array}{r} \text{H T O} \\ 122 \\ \times 4 \\ \hline 488 \end{array}$$

8. Multiply the following :

$$\begin{array}{r} \text{T O} \\ \textcircled{6} \\ 39 \\ \times 7 \\ \hline 273 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{3} \\ 47 \\ \times 5 \\ \hline 235 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{3} \\ 85 \\ \times 6 \\ \hline 510 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{3} \\ 25 \\ \times 7 \\ \hline 175 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{8} \\ 19 \\ \times 9 \\ \hline 171 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{2} \\ 97 \\ \times 3 \\ \hline 291 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{7} \\ 79 \\ \times 8 \\ \hline 632 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{2} \\ 23 \\ \times 7 \\ \hline 161 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{2} \\ 54 \\ \times 7 \\ \hline 378 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 62 \\ \times 9 \\ \hline 558 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{2} \\ 94 \\ \times 5 \\ \hline 470 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 35 \\ \times 2 \\ \hline 70 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{} \\ 45 \\ \times 0 \\ \hline 00 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{4} \\ 78 \\ \times 6 \\ \hline 468 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{2} \\ 77 \\ \times 4 \\ \hline 308 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{8} \\ 39 \\ \times 9 \\ \hline 351 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{2} \\ 83 \\ \times 8 \\ \hline 664 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 72 \\ \times 7 \\ \hline 504 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{4} \\ 45 \\ \times 8 \\ \hline 360 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{4} \\ 88 \\ \times 5 \\ \hline 440 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 25 \\ \times 2 \\ \hline 50 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{3} \\ 58 \\ \times 4 \\ \hline 232 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{} \\ 30 \\ \times 5 \\ \hline 150 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{3} \\ 69 \\ \times 4 \\ \hline 276 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{3} \\ 74 \\ \times 9 \\ \hline 666 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 86 \\ \times 3 \\ \hline 258 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 43 \\ \times 6 \\ \hline 258 \end{array}$$

$$\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 82 \\ \times 9 \\ \hline 738 \end{array}$$

$$\begin{array}{r} \text{9.} \quad \text{T O} \\ \text{\textcircled{3}} \\ 15 \\ \times 6 \\ \hline 90 \end{array}$$

$$\begin{array}{r} \text{10.} \quad \text{T O} \\ \text{\textcircled{3}} \\ 24 \\ \times 8 \\ \hline 192 \end{array}$$

$$\begin{array}{r} \text{11.} \quad \text{T O} \\ \text{\textcircled{1}} \\ 52 \\ \times 7 \\ \hline 364 \end{array}$$

$$\begin{array}{r} \text{12.} \quad \text{T O} \\ \text{\textcircled{4}} \\ 45 \\ \times 9 \\ \hline 405 \end{array}$$

$$\begin{array}{r} \text{13.} \quad \text{T O} \\ \text{\textcircled{2}} \\ 56 \\ \times 4 \\ \hline 224 \end{array}$$

Unit – 6 : Division

Page 67 1. Divide the following by making groups :

$$8 \div 4 = 2$$

$$12 \div 2 = 6$$

2. Fill in the boxes as shown in the example :

$$5 \times 4 = 20$$

$$20 \div 4 = 5$$

$$9 \times 3 = 27$$

$$27 \div 3 = 9$$

$$7 \times 4 = 28$$

$$28 \div 4 = 7$$

$$7 \times 5 = 35$$

$$35 \div 5 = 7$$

$$9 \times 6 = 54$$

$$54 \div 6 = 9$$

$$4 \times 8 = 32$$

$$32 \div 8 = 4$$

$$6 \times 6 = 36$$

$$36 \div 6 = 6$$

$$6 \times 3 = 18$$

$$18 \div 3 = 6$$

$$7 \times 9 = 63$$

$$63 \div 7 = 9$$

$$6 \times 7 = 42$$

$$42 \div 6 = 7$$

3. Divide the following :

$$\begin{array}{r} 2 \overline{)14} (7 \\ -14 \\ \hline \times \end{array}$$

$$14 \div 2 = 7$$

$$\begin{array}{r} 5 \overline{)20} (4 \\ -20 \\ \hline \times \end{array}$$

$$20 \div 5 = 4$$

$$\begin{array}{r} 6 \overline{)24} (4 \\ -24 \\ \hline \times \end{array}$$

$$24 \div 6 = 4$$

$$\begin{array}{r} 2 \overline{)18} (9 \\ -18 \\ \hline \times \end{array}$$

$$18 \div 2 = 9$$

$$\begin{array}{r} 6 \overline{)48} (8 \\ -48 \\ \hline \times \end{array}$$

$$48 \div 6 = 8$$

$$\begin{array}{r} 3 \overline{)27} (9 \\ -27 \\ \hline \times \end{array}$$

$$27 \div 3 = 9$$

$$\begin{array}{r} 9 \overline{)54} (6 \\ -54 \\ \hline \times \end{array}$$

$$54 \div 9 = 6$$

$$\begin{array}{r} 10 \overline{)30} (3 \\ -30 \\ \hline \times \end{array}$$

$$30 \div 10 = 3$$

$$\begin{array}{r} 4 \overline{)20} (5 \\ -20 \\ \hline \times \end{array}$$

$$20 \div 4 = 5$$

$$\begin{array}{r} 5 \overline{)45} (9 \\ -45 \\ \hline \times \end{array}$$

$$45 \div 5 = 9$$

$$\begin{array}{r} 8 \overline{)24} (3 \\ -24 \\ \hline \times \end{array}$$

$$24 \div 8 = 3$$

$$\begin{array}{r} 8 \overline{)72} (9 \\ -72 \\ \hline \times \end{array}$$

$$72 \div 8 = 9$$

$$\begin{array}{r} 3 \overline{)15} (5 \\ -15 \\ \hline \times \end{array}$$

$$15 \div 3 = 5$$

$$\begin{array}{r} 8 \overline{)48} (6 \\ -48 \\ \hline \times \end{array}$$

$$48 \div 8 = 6$$

$$\begin{array}{r} 4 \overline{)24} (6 \\ -24 \\ \hline \times \end{array}$$

$$24 \div 4 = 6$$

$$\begin{array}{r} 4 \overline{)16} (4 \\ -16 \\ \hline \times \end{array}$$

$$16 \div 4 = 4$$

4. Divide and find the quotient and remainder for each of the following :

$$\begin{array}{r} 4 \overline{)20} (6 \\ -18 \\ \hline 2 \end{array}$$

$$Q - 6$$

$$R - 2$$

$$\begin{array}{r} 3 \overline{)25} (8 \\ -24 \\ \hline 1 \end{array}$$

$$Q - 8$$

$$R - 1$$

$$\begin{array}{r} 6 \overline{)58} (9 \\ -54 \\ \hline 4 \end{array}$$

$$Q - 9$$

$$R - 4$$

$$\begin{array}{r} 7 \overline{)51} (7 \\ -49 \\ \hline 2 \end{array}$$

$$Q - 7$$

$$R - 2$$

$$\begin{array}{r} 8 \overline{)51} (6 \\ -48 \\ \hline 3 \end{array}$$

$$\begin{array}{l} Q - 6 \\ R - 3 \end{array}$$

$$\begin{array}{r} 9 \overline{)75} (8 \\ -72 \\ \hline 3 \end{array}$$

$$\begin{array}{l} Q - 8 \\ R - 3 \end{array}$$

$$\begin{array}{r} 8 \overline{)57} (7 \\ -56 \\ \hline 1 \end{array}$$

$$\begin{array}{l} Q - 7 \\ R - 1 \end{array}$$

$$\begin{array}{r} 7 \overline{)62} (8 \\ -56 \\ \hline 6 \end{array}$$

$$\begin{array}{l} Q - 8 \\ R - 6 \end{array}$$

$$\begin{array}{r} 6 \overline{)36} (6 \\ -36 \\ \hline \times \end{array}$$

$$\begin{array}{l} Q - 6 \\ R - 0 \end{array}$$

$$\begin{array}{r} 7 \overline{)44} (6 \\ -42 \\ \hline 2 \end{array}$$

$$\begin{array}{l} Q - 6 \\ R - 2 \end{array}$$

$$\begin{array}{r} 4 \overline{)29} (7 \\ -28 \\ \hline 1 \end{array}$$

$$\begin{array}{l} Q - 7 \\ R - 1 \end{array}$$

$$\begin{array}{r} 5 \overline{)27} (5 \\ -25 \\ \hline 2 \end{array}$$

$$\begin{array}{l} Q - 5 \\ R - 2 \end{array}$$

5.
$$\begin{array}{r} 6 \overline{)36} (6 \\ -36 \\ \hline \times \end{array}$$

6.
$$\begin{array}{r} 7 \overline{)42} (6 \\ -42 \\ \hline \times \end{array}$$

7.
$$\begin{array}{r} 10 \overline{)90} (9 \\ -90 \\ \hline \times \end{array}$$

8.
$$\begin{array}{r} 2 \overline{)14} (7 \\ -14 \\ \hline \times \end{array}$$

9.
$$\begin{array}{r} 6 \overline{)30} (5 \\ -30 \\ \hline \times \end{array}$$

Test Paper – II

Page 73 : Mental Maths

$$\begin{array}{rcl} 1. & \text{Rahul scored in a cricket match} & = 42 \text{ runs} \\ & \text{Sachin scored in a cricket match} & = + 48 \text{ runs} \\ & \text{Total Runs} & = \underline{\underline{90 \text{ Runs}}} \end{array}$$

$$\begin{array}{rcl} 2. & \text{Minnie rabbit eat carrot in one week} & = 42 \\ & \text{Binny rabbit eat carrot in one week} & = - 39 \\ & \text{Minnie eat more} & = \underline{\underline{3}} \end{array}$$

$$\begin{array}{rcl} 3. & \text{One week} & = 7 \text{ days} \\ & 1 \text{ day} & = 24 \text{ hours} \\ & 7 \text{ days} & = 24 \times 7 \text{ hours} \\ & & = 168 \text{ hours} \end{array}$$

$$\begin{array}{rcl} 4. & 4 \text{ boy sit} & = 1 \text{ bench} \\ & 1 \text{ boy sit} & = \frac{1}{4} \text{ bench} \\ & 64 \text{ boys sit} & = \frac{1}{4} \times \frac{16}{4} \\ & & = 16 \text{ bench} \end{array}$$

Multiple choice questions

1. (a) 2. (b) 3. (b)
4. (c) 5. (b)

Activity Time

1. 4 0 5
4 3 2
1 6 2

2. The adjoining flower has 5 petals.
5 flowers will have altogether $5 \times 5 = 25$ petals

Which are $5 + 5 + 5 + 5 + 5$

or $5 \times 5 = 25$

3. a. $94 - 50 = 44$ b. $42 + 8 = 50$
c. $27 \div 3 = 9$ d. $9 \times 5 = 45$

Model Test Paper – I

1. a. 558 b. 899
c. 947 d. 506
2. a. Two hundred seventy three
b. Four hundred six
c. Nine hundred seventy eight
d. Eight hundred ninety eight
3. a. 25, 30, 35, 40, 45
b. 30, 33, 36, 39, 42
c. 47, 51, 55, 59, 63
d. 250, 275, 300, 325, 350
4. 348, 350, 352, 354, 356, 358, 360, 362
5. a. 928, 829, 393, 339, 282.
b. 843, 834, 483, 384, 348
6. 812
7. 992
8. a. 285, 296, 393, 429, 446
b. 229, 330, 545, 649, 725

9. Find the sum :

$\begin{array}{r} \textcircled{} \textcircled{1} \\ 6 \ 0 \ 9 \\ + 2 \ 8 \ 3 \\ \hline 8 \ 9 \ 2 \end{array}$	$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 7 \ 8 \ 9 \\ + 1 \ 9 \ 4 \\ \hline 9 \ 8 \ 3 \end{array}$	$\begin{array}{r} \textcircled{} \textcircled{} \\ 6 \ 3 \ 6 \\ + 3 \ 6 \ 3 \\ \hline 9 \ 9 \ 9 \end{array}$	$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 3 \ 1 \ 9 \\ + 3 \ 8 \ 2 \\ \hline 7 \ 0 \ 1 \end{array}$
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10. Find the difference :

$\begin{array}{r} \textcircled{4} \textcircled{17} \\ \cancel{5} \cancel{7} 5 \\ - 293 \\ \hline 282 \end{array}$	$\begin{array}{r} \textcircled{7} \textcircled{13} \\ \cancel{8} \cancel{3} 6 \\ - 385 \\ \hline 451 \end{array}$	$\begin{array}{r} \textcircled{8} \textcircled{14} \\ \cancel{9} \cancel{4} 9 \\ - 393 \\ \hline 556 \end{array}$	$\begin{array}{r} \textcircled{4} \textcircled{12} \\ \cancel{5} \cancel{2} 3 \\ - 192 \\ \hline 331 \end{array}$
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11. Multiply the following :

$\begin{array}{r} \textcircled{2} \\ 49 \\ \times 3 \\ \hline 147 \end{array}$	$\begin{array}{r} \textcircled{1} \textcircled{3} \\ 129 \\ \times 4 \\ \hline 516 \end{array}$	$\begin{array}{r} \textcircled{2} \\ 43 \\ \times 9 \\ \hline 387 \end{array}$	$\begin{array}{r} \textcircled{8} \\ 99 \\ \times 9 \\ \hline 891 \end{array}$
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12. Divide and find the quotient :

- | | |
|--------------------|--------------------|
| a. $18 \div 2 = 9$ | b. $56 \div 8 = 7$ |
| c. $63 \div 9 = 7$ | d. $72 \div 8 = 9$ |
| e. $42 \div 6 = 7$ | f. $64 \div 8 = 8$ |

13. A basket contains mangoes = 192
 A basket contains oranges = 89
 A basket contains apples = + 121

Total Fruits	= 402
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14. Manu sold fun fair tickets = 645
 Neha sold fun fair tickets = - 396

Manu more than Neha	= 249
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15. 9 bogie train = 1 passenger
 1 bogie train = $\frac{1}{9}$ passenger
 72 bogie train = $\frac{1}{9} \times 72^8$
 = 8

$$\begin{aligned} 16. \quad 9 \text{ boys distributed mangoes} &= 72 \\ 1 \text{ boys distributed mangoes} &= \frac{72}{9} \\ 1 \text{ boys distributed mangoes} &= 8 \end{aligned}$$

17. Multiple choice questions :

- a. (i) 99
- b. (iii) 100
- c. (iii) 600
- d. (iii) 36

Unit – 8 : Money

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1. Fill in the blanks :

One 100 rupees note = 5 notes of 20 rupees each

One 50 rupees note = 5 notes of 10 rupees each

One 20 rupees note = 2 notes of 10 rupees each

One 20 rupee note = 4 notes of 5 rupees each

One 10 rupee note = 2 notes of 5 rupees each

2. Find the total price of the following :

a. $5 + 10 = 15$

b. $10 + 100 = 110$

c. $10 + 1 + 2 = 13$

d. $50 + 2 + 100 = 152$

3. Solve these sums :

$$\begin{array}{r} \textcircled{1} \textcircled{} \\ 7 \ 50 \\ + 5 \ 50 \\ \hline 13 \ 00 \end{array}$$

$$\begin{array}{r} \textcircled{11} \textcircled{1} \\ 8 \ 75 \\ + 12 \ 75 \\ \hline 21 \ 50 \end{array}$$

$$\begin{array}{r} \textcircled{1} \textcircled{} \\ 9 \ 90 \\ + 10 \ 30 \\ \hline 20 \ 20 \end{array}$$

$$\begin{array}{r} \textcircled{11} \textcircled{1} \\ 12 \ 65 \\ + 8 \ 45 \\ \hline 21 \ 10 \end{array}$$

$$\begin{array}{r} \textcircled{11} \textcircled{} \\ 35 \ 70 \\ + 36 \ 75 \\ \hline 72 \ 45 \end{array}$$

$$\begin{array}{r} \textcircled{11} \textcircled{} \\ 45 \ 60 \\ + 24 \ 70 \\ \hline 70 \ 30 \end{array}$$

$$\begin{array}{r} \textcircled{11} \textcircled{} \\ 45 \ 80 \\ + 38 \ 70 \\ \hline 84 \ 50 \end{array}$$

$$\begin{array}{r} \textcircled{11} \textcircled{} \\ 94 \ 85 \\ + 15 \ 50 \\ \hline 110 \ 35 \end{array}$$

$$\begin{array}{r} \textcircled{11} \textcircled{1} \\ 45 \ 65 \\ + 18 \ 75 \\ \hline 64 \ 40 \end{array}$$

$$\begin{array}{r} \textcircled{310} \textcircled{410} \\ \del{40} \del{50} \\ - 18 \ 45 \\ \hline 22 \ 05 \end{array}$$

$$\begin{array}{r} \textcircled{313} \textcircled{1218} \\ \del{44} \del{30} \\ - 35 \ 35 \\ \hline 8 \ 95 \end{array}$$

$$\begin{array}{r} \textcircled{} \\ 18 \ 75 \\ - 10 \ 50 \\ \hline 8 \ 25 \end{array}$$

$$\begin{array}{r} \textcircled{116} \textcircled{1710} \\ \del{27} \del{80} \\ - 9 \ 95 \\ \hline 17 \ 85 \end{array}$$

$$\begin{array}{r} \textcircled{217} \textcircled{17} \\ \del{38} \del{75} \\ - 19 \ 90 \\ \hline 18 \ 85 \end{array}$$

$$\begin{array}{r} \textcircled{6} \textcircled{1210} \\ \del{47} \del{30} \\ - 15 \ 85 \\ \hline 31 \ 45 \end{array}$$

Number stories on money

4. $\begin{array}{r} \textcircled{1} \textcircled{} \\ 48 \ 50 \\ + 50 \ 50 \\ \hline 99 \ 00 \end{array}$

5. $\begin{array}{r} \textcircled{1} \textcircled{} \\ 15 \ 50 \\ + 20 \ 50 \\ \hline 36 \ 00 \end{array}$

6. $\begin{array}{r} \textcircled{1} \textcircled{} \\ 35 \ 50 \\ + 48 \ 00 \\ \hline 83 \ 50 \end{array}$

7. $\begin{array}{r} \textcircled{49} \textcircled{10} \\ \del{50} \del{00} \\ - 15 \ 50 \\ \hline 34 \ 50 \end{array}$

8. $\begin{array}{r} \textcircled{99} \textcircled{10} \\ \del{100} \del{00} \\ - 50 \ 50 \\ \hline 49 \ 50 \end{array}$

9. $\begin{array}{r} \textcircled{9} \textcircled{10} \\ \del{50} \del{00} \\ - 25 \ 50 \\ \hline 24 \ 50 \end{array}$

Unit – 9 : Measurement of Length

Page 85 1. Measure the lengths of these objects and write in the boxes :

a. 4 cm b. 4.5 cm c. 8 cm

2. Convert into centimeters

$$1 \text{ m} = 100 \text{ cm}$$

$$\begin{aligned} 2 \text{ m} + 15 \text{ cm} &= 2 \times 100 \text{ cm} + 15 \text{ cm} \\ &= 200 \text{ cm} + 15 \text{ cm} \\ &= 215 \text{ cm} \end{aligned}$$

$$8 \text{ m } 5 \text{ cm}$$

$$1 \text{ m} = 100 \text{ cm}$$

$$\begin{aligned} 8 \text{ m } 5 \text{ cm} &= 8 \times 100 \text{ cm} + 5 \text{ cm} \\ &= 800 \text{ cm} + 5 \text{ cm} \\ &= 805 \text{ cm} \end{aligned}$$

$$4 \text{ m } 25 \text{ cm}$$

$$1 \text{ m} = 100 \text{ cm}$$

$$\begin{aligned} 4 \text{ m } 25 \text{ cm} &= 4 \times 100 \text{ cm} + 25 \text{ cm} \\ &= 400 \text{ cm} + 25 \text{ cm} \\ &= 425 \text{ cm} \end{aligned}$$

$$8 \text{ m } 8 \text{ cm}$$

$$1 \text{ m} = 100 \text{ cm}$$

$$\begin{aligned} 8 \text{ m } 8 \text{ cm} &= 8 \times 100 \text{ cm} + 8 \text{ cm} \\ &= 800 \text{ cm} + 8 \text{ cm} \\ &= 808 \text{ cm} \end{aligned}$$

$$3 \text{ m } 30 \text{ cm}$$

$$1 \text{ m} = 100 \text{ cm}$$

$$\begin{aligned} 3 \text{ m } 30 \text{ cm} &= 3 \times 100 \text{ cm} + 30 \text{ cm} \\ &= 300 \text{ cm} + 30 \text{ cm} \\ &= 330 \text{ cm} \end{aligned}$$

2 m 10 cm

1 m = 100 cm

$$\begin{aligned}2 \text{ m } 10 \text{ cm} &= 2 \times 100 \text{ cm} + 10 \text{ cm} \\ &= 200 \text{ cm} + 10 \text{ cm} \\ &= 210 \text{ cm}\end{aligned}$$

5 m 20 cm

1 m = 100 cm

$$\begin{aligned}5 \text{ m } 20 \text{ cm} &= 5 \times 100 \text{ cm} + 20 \text{ cm} \\ &= 500 \text{ cm} + 20 \text{ cm} \\ &= 520 \text{ cm}\end{aligned}$$

6 m 50 cm

1 m = 100 cm

$$\begin{aligned}6 \text{ m } 50 \text{ cm} &= 6 \times 100 \text{ cm} + 50 \text{ cm} \\ &= 600 \text{ cm} + 50 \text{ cm} \\ &= 650 \text{ cm}\end{aligned}$$

3. Convert centimeters into meters and centimeters :

$$\begin{aligned}110 \text{ cm} &= 100 \text{ cm} + 10 \text{ cm} \\ &= 1 \text{ m} + 10 \text{ cm} \\ &= 1 \text{ m } 10 \text{ cm}\end{aligned}$$

$$\begin{aligned}309 \text{ cm} &= 300 \text{ cm} + 9 \text{ cm} \\ &= 3 \text{ m} + 9 \text{ cm} \\ &= 3 \text{ m } 9 \text{ cm}\end{aligned}$$

$$\begin{aligned}175 \text{ cm} &= 100 \text{ cm} + 75 \text{ cm} \\ &= 1 \text{ m} + 75 \text{ cm} \\ &= 1 \text{ m } 75 \text{ cm}\end{aligned}$$

$$\begin{aligned}480 \text{ cm} &= 400 \text{ cm} + 80 \text{ cm} \\ &= 4 \text{ m} + 80 \text{ cm} \\ &= 4 \text{ m } 80 \text{ cm}\end{aligned}$$

$$515 \text{ cm} = 500 \text{ cm} + 15 \text{ cm}$$

$$= 5 \text{ m} + 15 \text{ cm}$$

$$= 5 \text{ m } 15 \text{ cm}$$

$$685 \text{ cm} = 600 \text{ cm} + 85 \text{ cm}$$

$$= 6 \text{ m} + 85 \text{ cm}$$

$$= 6 \text{ m } 85 \text{ cm}$$

4. Solve these sums

$$\begin{array}{r} \text{m} \quad \text{cm} \\ \textcircled{1} \quad \textcircled{} \\ 4 \quad 75 \\ + 3 \quad 60 \\ \hline 8 \quad 35 \end{array}$$

$$\begin{array}{r} \text{m} \quad \text{cm} \\ \textcircled{} \quad \textcircled{1} \\ 8 \quad 24 \\ + 6 \quad 36 \\ \hline 14 \quad 60 \end{array}$$

$$\begin{array}{r} \text{m} \quad \text{cm} \\ \textcircled{1} \quad \textcircled{} \\ 5 \quad 30 \\ + 7 \quad 80 \\ \hline 13 \quad 10 \end{array}$$

$$\begin{array}{r} \textcircled{1} \quad \textcircled{1} \\ 13 \quad 26 \\ + 7 \quad 28 \\ \hline 20 \quad 54 \end{array}$$

$$\begin{array}{r} \textcircled{11} \quad \textcircled{1} \\ 15 \quad 75 \\ + 7 \quad 86 \\ \hline 23 \quad 61 \end{array}$$

$$\begin{array}{r} \textcircled{1} \quad \textcircled{1} \\ 65 \quad 65 \\ + 30 \quad 75 \\ \hline 96 \quad 40 \end{array}$$

$$\begin{array}{r} \textcircled{} \quad \textcircled{1} \\ 8 \quad 15 \\ - 6 \quad 65 \\ \hline 14 \quad 80 \end{array}$$

$$\begin{array}{r} \textcircled{14} \quad \textcircled{1614} \\ 15 \quad 74 \\ - 5 \quad 86 \\ \hline 9 \quad 88 \end{array}$$

$$\begin{array}{r} \textcircled{8} \quad \textcircled{1111} \\ 9 \quad 21 \\ - 6 \quad 35 \\ \hline 2 \quad 86 \end{array}$$

$$\begin{array}{r} \textcircled{5} \quad \textcircled{1212} \\ 6 \quad 32 \\ - 3 \quad 78 \\ \hline 2 \quad 54 \end{array}$$

$$\begin{array}{r} \textcircled{115} \quad \textcircled{715} \\ 25 \quad 85 \\ - 6 \quad 18 \\ \hline 19 \quad 67 \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad \textcircled{1015} \\ 14 \quad 15 \\ - 11 \quad 76 \\ \hline 2 \quad 39 \end{array}$$

$$\begin{array}{r} \textcircled{49} \quad \textcircled{10} \\ 50 \quad 08 \\ - 48 \quad 15 \\ \hline 1 \quad 93 \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad \textcircled{16} \\ 55 \quad 65 \\ - 30 \quad 75 \\ \hline 24 \quad 90 \end{array}$$

$$\begin{array}{r} \textcircled{512} \quad \textcircled{612} \\ 62 \quad 72 \\ - 28 \quad 28 \\ \hline 34 \quad 44 \end{array}$$

$$\begin{array}{r}
 5. \quad \textcircled{1} \\
 \quad 8\text{m } 50\text{cm} \\
 - \quad 4\text{m } 80\text{cm} \\
 \hline
 \quad 13\text{m } 30\text{cm}
 \end{array}$$

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

$$\begin{array}{r}
 7. \quad \textcircled{1} \quad \textcircled{1} \\
 \quad 5\text{m } 75\text{cm} \\
 + \quad 6\text{m } 25\text{cm} \\
 \hline
 \quad 12\text{m } 00\text{cm}
 \end{array}$$

$$\begin{array}{r}
 8. \quad \textcircled{7}\textcircled{10} \\
 \quad 86\text{m } 20\text{cm} \\
 - \quad 35\text{m } 10\text{cm} \\
 \hline
 \quad 45\text{m } 10\text{cm}
 \end{array}$$

$$\begin{array}{r}
 9. \quad \quad \textcircled{2}\textcircled{16} \\
 \quad 2\text{m } 36\text{cm} \\
 - \quad 0\text{m } 27\text{cm} \\
 \hline
 \quad 2\text{m } 09\text{cm}
 \end{array}$$

$$\begin{array}{r}
 10. \quad \textcircled{} \\
 \quad 36\text{m } 50\text{cm} \\
 + \quad 40\text{m } 45\text{cm} \\
 \hline
 \quad 76\text{m } 95\text{cm}
 \end{array}$$

Unit – 10 : Measurement of Weight

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2. Solve these sums :

$$\begin{array}{r}
 \text{Kg} \quad \text{g} \\
 \textcircled{} \quad \textcircled{1} \textcircled{1} \\
 15 \quad 3 \quad 0 \quad 8 \\
 + 12 \quad 2 \quad 9 \quad 7 \\
 \hline
 27 \quad 6 \quad 0 \quad 5
 \end{array}$$

$$\begin{array}{r}
 \text{Kg} \quad \text{g} \\
 \textcircled{11} \quad \textcircled{} \textcircled{1} \\
 16 \quad 9 \quad 6 \quad 5 \\
 + 13 \quad 6 \quad 1 \quad 5 \\
 \hline
 30 \quad 5 \quad 8 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{Kg} \quad \text{g} \\
 \textcircled{1} \quad \textcircled{1} \textcircled{1} \\
 36 \quad 5 \quad 7 \quad 5 \\
 + 15 \quad 3 \quad 5 \quad 5 \\
 \hline
 51 \quad 9 \quad 3 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{Kg} \quad \text{g} \\
 \textcircled{1} \quad \textcircled{1} \textcircled{1} \\
 16 \quad 6 \quad 8 \quad 0 \\
 + 44 \quad 1 \quad 5 \quad 0 \\
 \hline
 60 \quad 8 \quad 3 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{Kg} \quad \text{g} \\
 \textcircled{1} \quad \textcircled{} \textcircled{1} \\
 18 \quad 5 \quad 6 \quad 4 \\
 + 16 \quad 3 \quad 1 \quad 8 \\
 \hline
 34 \quad 8 \quad 8 \quad 2
 \end{array}$$

$$\begin{array}{r}
 \text{Kg} \quad \text{g} \\
 \textcircled{11} \quad \textcircled{1} \textcircled{1} \\
 38 \quad 7 \quad 5 \quad 0 \\
 + 6 \quad 6 \quad 7 \quad 5 \\
 \hline
 45 \quad 4 \quad 2 \quad 5
 \end{array}$$

$$\begin{array}{r}
 \text{Kg} \quad \text{g} \\
 \textcircled{7} \quad \textcircled{11} \textcircled{13} \textcircled{15} \\
 8 \quad 2 \quad 4 \quad 5 \\
 - 5 \quad 2 \quad 5 \quad 6 \\
 \hline
 2 \quad 9 \quad 8 \quad 9
 \end{array}$$

$$\begin{array}{r}
 \text{Kg} \quad \text{g} \\
 \textcircled{} \quad \textcircled{} \textcircled{} \textcircled{} \\
 15 \quad 4 \quad 7 \quad 5 \\
 - 9 \quad 2 \quad 5 \quad 0 \\
 \hline
 6 \quad 2 \quad 2 \quad 5
 \end{array}$$

$$\begin{array}{r}
 \text{Kg} \quad \text{g} \\
 \textcircled{17} \quad \textcircled{12} \textcircled{14} \textcircled{14} \\
 28 \quad 3 \quad 5 \quad 4 \\
 - 15 \quad 6 \quad 5 \quad 5 \\
 \hline
 12 \quad 6 \quad 9 \quad 9
 \end{array}$$

$$\begin{array}{r}
 \text{Kg} \quad \text{g} \\
 \textcircled{4} \quad \textcircled{9} \textcircled{14} \textcircled{16} \\
 25 \quad 0 \quad 5 \quad 6 \\
 - 10 \quad 7 \quad 5 \quad 7 \\
 \hline
 14 \quad 2 \quad 9 \quad 9
 \end{array}$$

$$\begin{array}{r}
 \text{Kg} \quad \text{g} \\
 \textcircled{12} \quad \textcircled{12} \textcircled{9} \textcircled{10} \\
 13 \quad 3 \quad 0 \quad 0 \\
 - 5 \quad 6 \quad 5 \quad 5 \\
 \hline
 7 \quad 6 \quad 4 \quad 5
 \end{array}$$

$$\begin{array}{r}
 \text{Kg} \quad \text{g} \\
 \textcircled{413} \quad \textcircled{13} \textcircled{14} \textcircled{16} \\
 54 \quad 4 \quad 5 \quad 6 \\
 - 34 \quad 6 \quad 5 \quad 8 \\
 \hline
 19 \quad 7 \quad 9 \quad 8
 \end{array}$$

Number stories on measurement of weight :

3.
$$\begin{array}{r}
 \text{Kg} \quad \text{g} \\
 \textcircled{1} \quad \textcircled{1} \textcircled{} \textcircled{} \\
 5 \quad 2 \quad 5 \quad 0 \\
 + 8 \quad 7 \quad 5 \quad 0 \\
 \hline
 14 \quad 0 \quad 0 \quad 0
 \end{array}$$

4.
$$\begin{array}{r}
 \text{Kg} \quad \text{g} \\
 \textcircled{1} \quad \textcircled{} \textcircled{} \textcircled{} \\
 6 \quad 5 \quad 0 \quad 0 \\
 + 4 \quad 7 \quad 5 \quad 0 \\
 \hline
 11 \quad 2 \quad 5 \quad 0
 \end{array}$$

5.
$$\begin{array}{r}
 \text{Kg} \quad \text{g} \\
 \textcircled{7} \quad \textcircled{12} \textcircled{} \textcircled{} \\
 8 \quad 2 \quad 5 \quad 0 \\
 - 4 \quad 5 \quad 0 \quad 0 \\
 \hline
 3 \quad 7 \quad 5 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{Kg} \quad \text{g} \\
 \textcircled{19} \textcircled{9} \textcircled{9} \textcircled{10} \\
 20 \quad 0 \quad 0 \quad 0 \\
 - \quad 2 \quad 0 \quad 7 \quad 5 \\
 \hline
 17 \quad 9 \quad 2 \quad 5
 \end{array}$$

$$\begin{array}{r}
 \text{Kg} \quad \text{g} \\
 \textcircled{7} \textcircled{9} \textcircled{9} \textcircled{10} \\
 48 \quad 0 \quad 0 \quad 0 \\
 - \quad 3 \quad 2 \quad 7 \quad 5 \\
 \hline
 44 \quad 7 \quad 2 \quad 5
 \end{array}$$

$$\begin{array}{r}
 \text{Kg} \quad \text{g} \\
 \textcircled{911} \textcircled{9} \textcircled{10} \textcircled{} \\
 102 \quad 5 \quad 0 \quad 0 \\
 - \quad 97 \quad 7 \quad 5 \quad 0 \\
 \hline
 4 \quad 7 \quad 5 \quad 0
 \end{array}$$

Unit – 11 : Measurement of Capacity

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2. Solve these sums :

$$\begin{array}{r}
 \text{L} \quad \text{ml} \\
 \textcircled{1} \textcircled{1} \textcircled{} \textcircled{} \\
 5 \quad 2 \quad 5 \quad 0 \\
 + \quad 7 \quad 7 \quad 5 \quad 0 \\
 \hline
 13 \quad 0 \quad 0 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{L} \quad \text{ml} \\
 \textcircled{1} \textcircled{} \textcircled{1} \textcircled{} \\
 6 \quad 9 \quad 0 \quad 5 \\
 + \quad 8 \quad 4 \quad 7 \quad 5 \\
 \hline
 15 \quad 3 \quad 8 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{L} \quad \text{ml} \\
 \textcircled{} \textcircled{1} \textcircled{1} \textcircled{} \\
 8 \quad 4 \quad 6 \quad 5 \\
 + \quad 5 \quad 4 \quad 7 \quad 5 \\
 \hline
 13 \quad 9 \quad 7 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{L} \quad \text{ml} \\
 \textcircled{} \textcircled{1} \textcircled{1} \textcircled{} \\
 16 \quad 3 \quad 4 \quad 5 \\
 + \quad 8 \quad 2 \quad 5 \quad 5 \\
 \hline
 24 \quad 6 \quad 0 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{L} \quad \text{ml} \\
 \textcircled{1} \textcircled{} \textcircled{} \textcircled{} \\
 15 \quad 3 \quad 0 \quad 0 \\
 + \quad 18 \quad 2 \quad 7 \quad 5 \\
 \hline
 33 \quad 5 \quad 7 \quad 5
 \end{array}$$

$$\begin{array}{r}
 \text{L} \quad \text{ml} \\
 \textcircled{} \textcircled{1} \textcircled{1} \textcircled{} \\
 18 \quad 2 \quad 2 \quad 5 \\
 + \quad 20 \quad 3 \quad 8 \quad 5 \\
 \hline
 38 \quad 6 \quad 1 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{L} \quad \text{ml} \\
 \textcircled{10} \textcircled{4} \textcircled{10} \textcircled{} \textcircled{} \\
 25 \quad 0 \quad 7 \quad 5 \\
 - \quad 16 \quad 5 \quad 2 \quad 5 \\
 \hline
 8 \quad 5 \quad 5 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{L} \quad \text{ml} \\
 \textcircled{} \textcircled{} \textcircled{} \textcircled{} \\
 49 \quad 3 \quad 9 \quad 5 \\
 - \quad 15 \quad 1 \quad 7 \quad 5 \\
 \hline
 34 \quad 2 \quad 2 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{L} \quad \text{ml} \\
 \textcircled{79} \textcircled{9} \textcircled{10} \textcircled{} \\
 80 \quad 0 \quad 0 \quad 5 \\
 - \quad 60 \quad 2 \quad 5 \quad 0 \\
 \hline
 19 \quad 7 \quad 5 \quad 5
 \end{array}$$

$$\begin{array}{r}
 \text{L} \quad \text{ml} \\
 \textcircled{11} \textcircled{2} \textcircled{14} \textcircled{4} \textcircled{17} \\
 23 \quad 4 \quad 5 \quad 7 \\
 - \quad 8 \quad 5 \quad 0 \quad 8 \\
 \hline
 14 \quad 9 \quad 4 \quad 9
 \end{array}$$

$$\begin{array}{r}
 \text{L} \quad \text{ml} \\
 \textcircled{7} \textcircled{10} \textcircled{} \textcircled{} \textcircled{} \\
 80 \quad 0 \quad 7 \quad 5 \\
 - \quad 33 \quad 0 \quad 5 \quad 5 \\
 \hline
 47 \quad 0 \quad 2 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{L} \quad \text{ml} \\
 \textcircled{} \textcircled{3} \textcircled{11} \textcircled{15} \\
 39 \quad 4 \quad 2 \quad 5 \\
 - \quad 17 \quad 3 \quad 9 \quad 8 \\
 \hline
 22 \quad 0 \quad 2 \quad 7
 \end{array}$$

$$\begin{array}{r}
 \text{3.} \quad \text{L} \quad \text{ml} \\
 \textcircled{11} \quad \textcircled{1} \quad \textcircled{} \quad \textcircled{} \\
 12 \quad 2 \quad 5 \quad 0 \\
 + \quad 8 \quad 7 \quad 5 \quad 0 \\
 \hline
 21 \quad 0 \quad 0 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{4.} \quad \text{L} \quad \text{ml} \\
 \textcircled{1} \quad \textcircled{1} \quad \textcircled{} \quad \textcircled{} \\
 4 \quad 2 \quad 5 \quad 0 \\
 + \quad 5 \quad 7 \quad 5 \quad 0 \\
 \hline
 10 \quad 0 \quad 0 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{5.} \quad \text{L} \quad \text{ml} \\
 \textcircled{14} \quad \textcircled{12} \quad \textcircled{} \quad \textcircled{} \\
 15 \quad 2 \quad 5 \quad 0 \\
 - \quad 8 \quad 7 \quad 5 \quad 0 \\
 \hline
 6 \quad 5 \quad 0 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{6.} \quad \text{L} \quad \text{ml} \\
 \textcircled{4} \quad \textcircled{12} \quad \textcircled{} \quad \textcircled{} \\
 5 \quad 2 \quad 5 \quad 0 \\
 - \quad \quad 7 \quad 5 \quad 0 \\
 \hline
 4 \quad 5 \quad 0 \quad 0
 \end{array}$$

$$\begin{array}{r}
 \text{7.} \quad \text{L} \quad \text{ml} \\
 \textcircled{} \quad \textcircled{6} \quad \textcircled{9} \quad \textcircled{10} \\
 45 \quad 7 \quad 0 \quad 0 \\
 - 22 \quad 2 \quad 7 \quad 5 \\
 \hline
 22 \quad 4 \quad 2 \quad 5
 \end{array}$$

$$\begin{array}{r}
 \text{8.} \quad \text{L} \quad \text{ml} \\
 \textcircled{1} \quad \textcircled{} \quad \textcircled{} \quad \textcircled{} \\
 115 \quad 0 \quad 0 \quad 0 \\
 + 135 \quad 5 \quad 0 \quad 0 \\
 \hline
 250 \quad 5 \quad 0 \quad 0
 \end{array}$$

Test Paper – III

1. $\frac{3}{4}$

2. 100 paise = 1 Rs.

1 Paise = $\frac{1}{100}$ Rs.

1225 Paise = $\frac{1}{100} \times 1225$ Rs.

= 12.25 Rs.

= 12 Rs. 25 Paise

$$\begin{array}{r}
 \text{3.} \quad \text{Rohan gave Rs. to shopkeeper} = \textcircled{49} \textcircled{10} \\
 \text{Rohan bought toy} = 50.00 \\
 \text{Shopkeeper returned money} = \underline{\underline{- 32.50}} \\
 \text{Total} = \underline{\underline{17.50}}
 \end{array}$$

$$\begin{array}{r}
 \text{4.} \quad \text{Reema purchase cloth for shirt} = 2 \text{ m } 25 \text{ cm} \\
 \text{Reema purchase cloth for trouser} = + 1 \text{ m } 20 \text{ cm} \\
 \text{Total cloth she purchase} = \underline{\underline{3 \text{ m } 45 \text{ cm}}}
 \end{array}$$

Multiple choice questions :

- 1. (b) 2. (a) 3. (b)
- 4. (b) 5. (b)

Unit 12 : Measurement of Time

Page 100

1. Read and write the time under the clock :

9:30 7:00 8:15 6:45

2. Let us look at the calender of this year and find :

- A. 12 B. 365
- C. 28 D. 7
- E. January, March, May, July, August, October, December
- F. April
- G. Do yourself.
- H. Do yourself.
- I. Do yourself.
- J. Do yourself.
- K. November 14 Children Day
October 2 Gandhi Jayanti
December 25 Christmas

3. Do yourself.

- 4. a. Christmas Day b. Republic Day
- c. Teacher's Day d. Children's Day
- e. Gandhi Jayanti f. Independence Day

5. Do yourself.

Unit 13 : Geometry

Page 105

1. Study the objects given below and write the names of their shapes in the boxes :

Cuboid	Cube	Sphere	Cuboid
Cone	Cylinder	Cuboid	Sphere

2. Write (P) for plane /flat surface and (C) for curved surface :

C	P	C	P
---	---	---	---

3. Fill in the blanks :

- | | |
|-------------|-----------|
| a. cylinder | b. cuboid |
| c. edge | d. Vertex |
| e. 6 | f. one |
| g. 2 | h. no |

Unit 14 : Pictographs

- Do yourself.
- Do yourself
- | | |
|-------------|-------------|
| a. 5 | b. 22 |
| c. Saturday | d. Thursday |
- | | |
|--------------------------------|-------------------------------|
| a. $5 \times 10 = 50$ | b. Nikita, $2 \times 10 = 20$ |
| c. Akansha, $6 \times 10 = 60$ | d. Anuradha, Kanika |
- | | |
|-------|----------------|
| a. 19 | b. Lions |
| c. 3 | d. $7 - 4 = 3$ |

Unit 15 : Patterns

- | | | |
|-----------|----------|----------|
| 1. Carpet | 2. Frack | 3. Grill |
|-----------|----------|----------|
- a. 10 20 30 40 50 60

- b. 5 10 15 20 25 30 35
 c. 21 24 27 30 33 36 39 42 45
 d. 1 3 6 10 15 21 28 36
5. Tea Milk
 Cup Sugar

Test paper – IV

Mental Maths

1. a. 16 19 22
 b. 59 69 79
 c. 14 17 20
 d. 45 35 25
2. Do yourself.

Multiple choice questions

1. (a) 2. (b) 3. (b)
 4. (d) 5. (a) 6. (c)
 7. (d)

Activity Time

1. a. 50 b. 34 c. $50 - 34 = 16$
 d. $100 - 41 = 59$

Model Test Paper II

Do yourself