

Based on the latest syllabus and guidelines of NCERT

Exploring

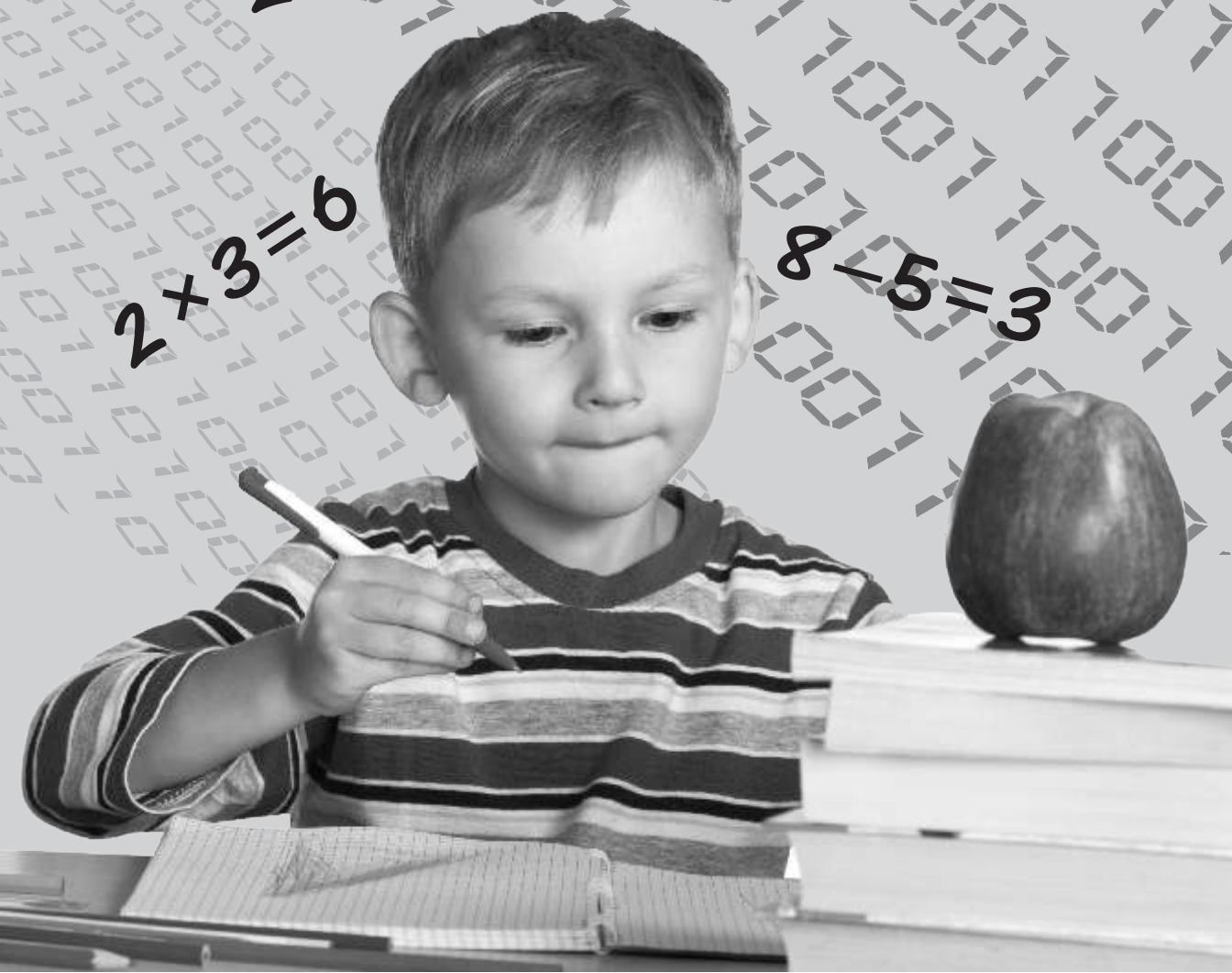
Mathematics

Help-Kit **1-5**

$$2 + 2 = 4$$

$$2 + 3 = 6$$

$$8 - 5 = 3$$



Unit One : Looking Back



Count and match.

Ans.

6

7

4

2

1

5

3

Count and write.

Ans.

1

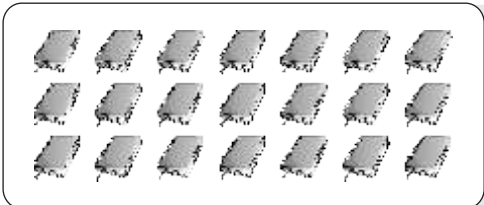
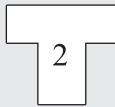

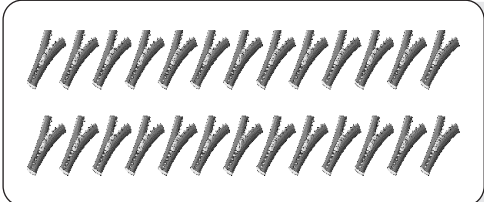
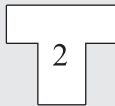
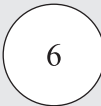
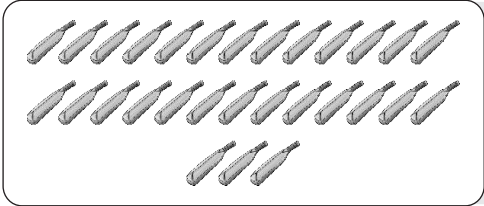
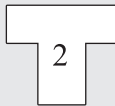

8

Eighteen

1

5

Fifteen

			Twenty-One
			Twenty-Six
			Twenty-Nine













Write the number name.

Ans.

7 Seven	14 Fourteen	68 Sixty-Eight	25 Twenty-Five
11 Eleven	40 Forty	32 Thirty-Two	69 Sixty-Nine
83 Eighty-Three	17 Seventeen	38 Thirty-Eight	30 Thirty
61 Sixty-One	91 Ninety-One	16 Sixteen	12 Twelve
57 Fifty-Seven	99 Ninety-Nine	89 Eighty-Nine	54 Fifty-Four
52 Fifty-Two	85 Eighty-Five	97 Ninety-Seven	19 Nineteen
56 Fifty-Six	44 Forty-Four		

Write the numerals for the following.

Ans.

Forty-six			Fourteen			Thirteen		
Ninety-four			Eighty-two			Sixty-eight		

Forty-three **4** **3**

Twenty-one **2** **1**

Sixty-nine **6** **9**

Fifty-five **5** **5**

Seventy-seven **7** **7**

Thirty **3** **0**

Thirty-two **3** **2**

Forty-eight **4** **8**

Twenty-nine **2** **9**

Eighty-seven **8** **7**

Ninety-two **9** **2**

Fifty-one **5** **1**

Fifteen **1** **5**

Sixty-six **6** **6**

Twelve **1** **2**

Eighty-nine **8** **9**

Sixty **6** **0**

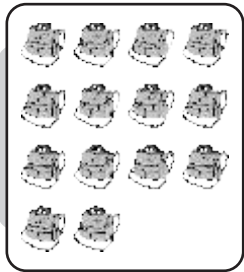
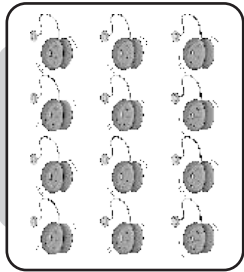
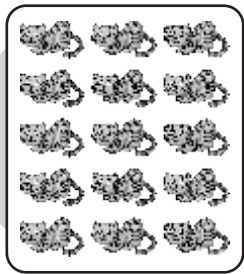
Seventy **7** **0**

Fifty-nine **5** **9**

Ninety-nine **9** **9**

Count and match.

Ans.



12

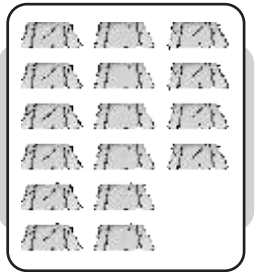
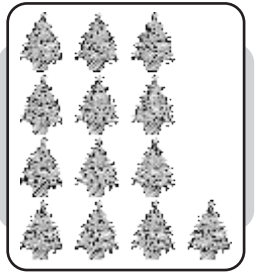
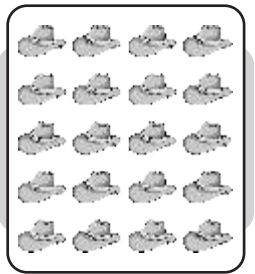
14

15

16

20

13



Fill in the missing numbers.

Ans.

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

Write the number just before.

Ans.

11	12
19	18
37	38
74	75
79	80
70	71
61	62
19	20
45	46
58	59
36	37
82	83
89	90

Write the number just after.

Ans.

9	10
17	10
15	16
92	93
45	46
75	76
40	41
64	65
27	28
63	64
89	90
29	30
65	66

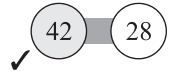
Write the number just between.

Ans.

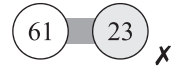
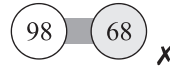
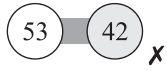
32	33	34
45	46	47
76	75	78
97	98	99
15	16	17
25	26	27
47	48	49
59	60	61
28	29	30
66	67	68
98	99	100
52	53	54
40	41	42

Comparison of Two-Digit Numbers

Tick (✓) the greater number in the following pairs :



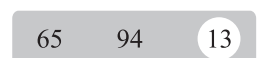
Cross (X) the smaller number in the following pairs :



Put > or < in the box.



Circle the smallest number in each row.



Arrange the numbers in ascending order.

Ans.

65, 37, 17, 06, 28,	6 17 28 37 65
25, 19, 42, 56, 30	19 25 30 42 56
8, 45, 37, 62, 50	8 37 45 50 62
45, 53, 55, 17, 76	17 45 53 55 76
60, 16, 19, 55, 72	16 19 55 60 72
62, 96, 19, 16, 13	13 16 19 62 96

Arrange the numbers in descending order.

Ans.

59, 49, 19, 57, 85	85 59 57 49 19
42, 21, 56, 96, 17	96 56 42 21 17
93, 32, 24, 17, 42	93 42 32 24 17
6, 15, 82, 53, 27	82 53 27 15 6
93, 32, 31, 81, 75	93 81 75 32 31
60, 50, 20, 40, 10	60 50 40 20 10

Complete the following.

Ans.

2 tens and 3 ones = 23 Twenty-three	8 tens and 7 ones = 87 Eighty-Seven
6 tens and 5 ones = 65 Sixty-five	9 tens and 8 ones = 98 Ninety-Eight
5 tens and 4 ones = 54 Fifty-four	3 tens and 9 ones = 39 Thirty-Nine
8 tens and 2 ones = 82 Eighty-Two	9 tens and 1 ones = 91 Ninety-One
3 tens and 8 ones = 38 Thirty-Eight	4 tens and 5 ones = 45 Forty-Five
2 tens and 7 ones = 27 Twenty-Seven	1 tens and 2 ones = 12 Twelve

Unit Two : Number and Numeration



Numbers in Hundreds

Write in hundreds.

Ans.

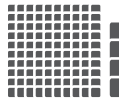
	=	100	One hundred
	=	200	Two hundred
	=	300	Three hundred
	=	400	Four hundred
	=	500	Five hundred
	=	600	Six hundred
	=	700	Seven hundred
	=	800	Eight hundred
	=	900	Nine hundred
	=	1000	One Thousand

Building 3-digit Numbers

Let us build numbers above one hundred.

Ans.

	$100 + 1 =$	<table border="1"> <tr><td>H</td><td>T</td><td>O</td></tr> <tr><td>1</td><td>0</td><td>1</td></tr> </table>	H	T	O	1	0	1	One hundred one
H	T	O							
1	0	1							
	$100 + 2 =$	<table border="1"> <tr><td>H</td><td>T</td><td>O</td></tr> <tr><td>1</td><td>0</td><td>2</td></tr> </table>	H	T	O	1	0	2	One hundred two
H	T	O							
1	0	2							
	$100 + 3 =$	<table border="1"> <tr><td>H</td><td>T</td><td>O</td></tr> <tr><td>1</td><td>0</td><td>3</td></tr> </table>	H	T	O	1	0	3	One hundred three
H	T	O							
1	0	3							



$100 + 4 = \begin{array}{|c|} \hline \text{H} \\ \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline \text{T} \\ \hline 0 \\ \hline \end{array} \begin{array}{|c|} \hline \text{O} \\ \hline 4 \\ \hline \end{array}$

One hundred four



$100 + 5 = \begin{array}{|c|} \hline \text{H} \\ \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline \text{T} \\ \hline 0 \\ \hline \end{array} \begin{array}{|c|} \hline \text{O} \\ \hline 5 \\ \hline \end{array}$

One hundred five



$100 + 6 = \begin{array}{|c|} \hline \text{H} \\ \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline \text{T} \\ \hline 0 \\ \hline \end{array} \begin{array}{|c|} \hline \text{O} \\ \hline 6 \\ \hline \end{array}$

One hundred six



$100 + 7 = \begin{array}{|c|} \hline \text{H} \\ \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline \text{T} \\ \hline 0 \\ \hline \end{array} \begin{array}{|c|} \hline \text{O} \\ \hline 7 \\ \hline \end{array}$

One hundred seven



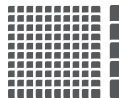
$100 + 8 = \begin{array}{|c|} \hline \text{H} \\ \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline \text{T} \\ \hline 0 \\ \hline \end{array} \begin{array}{|c|} \hline \text{O} \\ \hline 8 \\ \hline \end{array}$

One hundred eight



$100 + 9 = \begin{array}{|c|} \hline \text{H} \\ \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline \text{T} \\ \hline 0 \\ \hline \end{array} \begin{array}{|c|} \hline \text{O} \\ \hline 9 \\ \hline \end{array}$

One hundred nine



$100 + 10 = \begin{array}{|c|} \hline \text{H} \\ \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline \text{T} \\ \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline \text{O} \\ \hline 0 \\ \hline \end{array}$

One hundred Ten

Building 3-digit Numbers

Write the number and number name.

Ans.

$\begin{array}{|c|} \hline \text{H} \\ \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline \text{T} \\ \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline \text{O} \\ \hline 2 \\ \hline \end{array}$

One hundred twelve

$\begin{array}{|c|} \hline \text{H} \\ \hline 3 \\ \hline \end{array} \begin{array}{|c|} \hline \text{T} \\ \hline 3 \\ \hline \end{array} \begin{array}{|c|} \hline \text{O} \\ \hline 5 \\ \hline \end{array}$

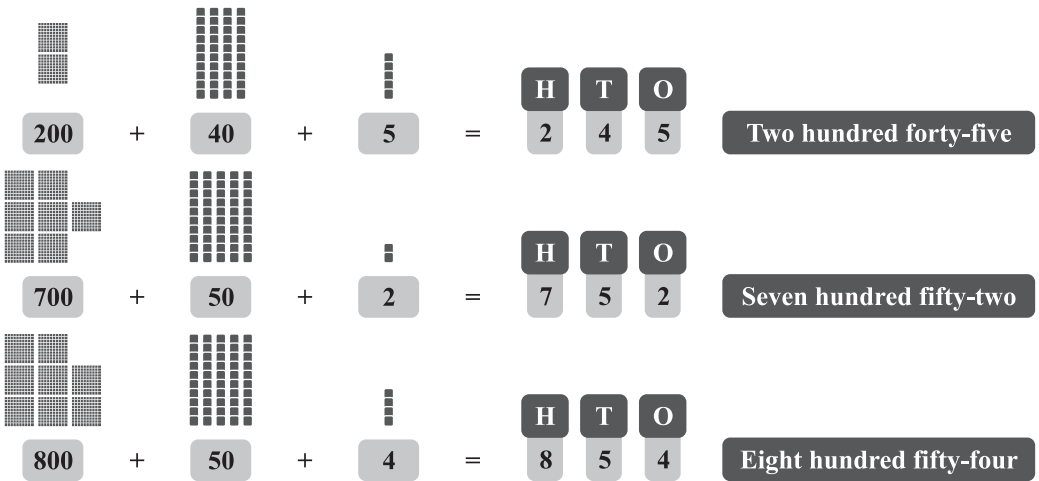
Three hundred thirty-five

$\begin{array}{|c|} \hline \text{H} \\ \hline 5 \\ \hline \end{array} \begin{array}{|c|} \hline \text{T} \\ \hline 4 \\ \hline \end{array} \begin{array}{|c|} \hline \text{O} \\ \hline 7 \\ \hline \end{array}$

Five hundred forty-seven

$\begin{array}{|c|} \hline \text{H} \\ \hline 6 \\ \hline \end{array} \begin{array}{|c|} \hline \text{T} \\ \hline 2 \\ \hline \end{array} \begin{array}{|c|} \hline \text{O} \\ \hline 9 \\ \hline \end{array}$

Six hundred twenty-nine



Writing Numerals

Writing Numerals from 101 to 200.

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

Writing Numerals from 201 to 300.

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

Writing Numerals

Writing Numerals from 601 to 700.

Ans.

601	611	621	631	641	651	661	671	681	691
602	612	622	632	642	652	662	672	682	692
603	613	623	633	643	653	663	673	683	693
604	614	624	634	644	654	664	674	684	694
605	615	625	635	645	655	665	675	685	695
606	616	626	636	646	656	666	676	686	696
607	617	627	637	647	657	667	677	687	697
608	618	628	638	648	658	668	678	688	698
609	619	629	639	649	659	669	679	689	699
610	620	630	640	650	660	670	680	690	700

Writing Numerals from 901 to 1000.

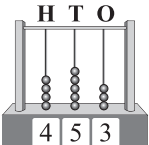
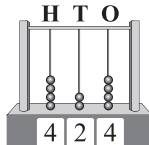
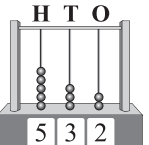
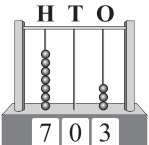
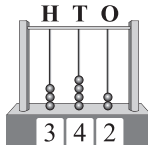
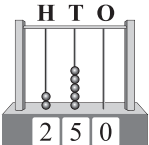
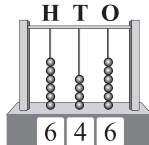
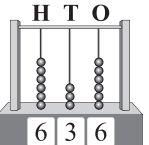
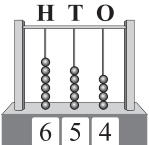
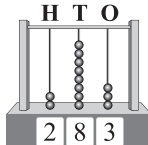
Ans.

901	911	921	931	941	951	961	971	981	991
902	912	922	932	942	952	962	972	982	992
903	913	923	933	943	953	963	973	983	993
904	914	924	934	944	954	964	974	984	994
905	915	925	935	945	955	965	975	985	995
906	916	926	936	946	956	966	976	986	996
907	917	927	937	947	957	967	977	987	997
908	918	928	938	948	958	968	978	988	998
909	919	929	939	949	959	969	979	989	999
910	920	930	940	950	960	970	980	990	1000

Count and Write from Abacus

Count the beads and write the number.

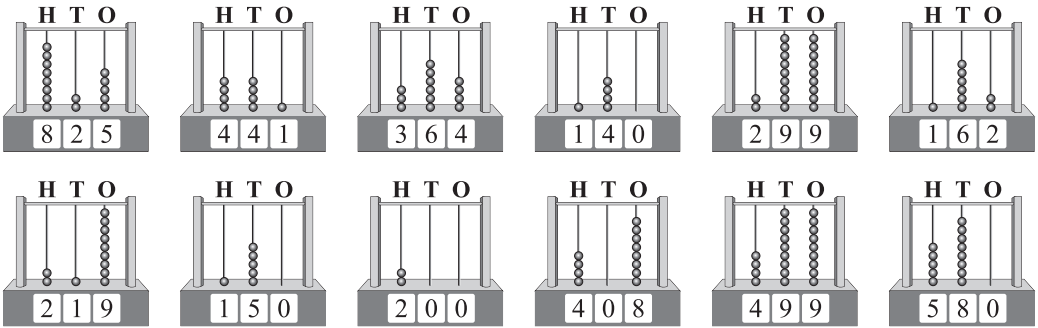
Ans.

 <p>4 5 3</p> <p>Four hundred fifty-three</p>	 <p>4 2 4</p> <p>Four hundred twenty-four</p>	 <p>5 3 2</p> <p>Five hundred Thirty-two</p>	 <p>7 0 3</p> <p>Seven hundred Three</p>	 <p>3 4 2</p> <p>Three hundred Forty-two</p>
 <p>2 5 0</p> <p>Two hundred Fifty</p>	 <p>6 4 6</p> <p>Six hundred Forty-six</p>	 <p>6 3 6</p> <p>Six hundred Thirty-six</p>	 <p>6 5 4</p> <p>Six hundred Fifty-four</p>	 <p>2 8 3</p> <p>Two hundred Eighty-three</p>

Draw the Beads on Abacus

Draw beads to show the following numbers on the abacus.

Ans.



Number Names

Write in words.

Ans.

204 Two hundred and four	233 Two hundred thirty-three
144 One hundred forty-four	177 One hundred Seventy-seven
285 Two hundred eighty-five	340 Three hundred forty
253 Two hundred fifty-three	275 Two hundred Seventy-five
143 One hundred forty-three	228 Two hundred twenty-eight
175 One hundred Seventy-five	

Skip Counting in 3-digit Numbers

Skip 2 and complete.

Ans.

200	202	204	206	208	210	212	214	216	218
110	112	114	116	118	120	122	124	126	128
240	242	243	246	248	250	252	254	256	258
340	342	344	346	348	350	352	354	356	358

Skip 5 and complete.

Ans.

105	110	115	120	125	130	135	140	145	150
205	210	215	220	225	230	235	240	245	250
300	305	310	315	320	325	330	335	340	345
400	405	410	415	420	425	430	435	440	445

Observe the patterns and complete.

Ans.

202	204	206	208	210	212	214	216	218	270
101	102	103	104	105	106	107	108	109	110
305	307	309	311	313	315	317	319	321	323
407	410	413	416	419	422	425	428	431	434

Before, After and Between

Write the number that comes just before.

Ans.

100	101	174	175	129	130	273	274
216	217	158	159	178	179	122	123
314	315	262	263	254	255	135	136

Write the number that comes just after.

Ans.

145	146	290	291	185	186	192	193
176	177	270	271	275	276	133	134
149	150	322	322	231	232	298	299

Write the number that comes in between the given numbers.

Ans.

145	146	147	275	276	277	189	190	191
155	156	157	120	121	122	178	179	180
169	170	171	235	236	237	294	295	296

Place Value and Face Value

Find the Place Value and Face Value of different digits.

Ans.

Number	Place Value	Face Value
2 5 6		
	The Place Value of 6 is 6.	The Face Value of 6 is 6.
	The Place Value of 5 is 50.	The Face Value of 5 is 5.
	The Place Value of 2 is 200.	The Face Value of 2 is 2.
Number	Place Value	Face Value
3 2 8		
	The Place Value of 8 is 8.	The Face Value of 8 is 8.
	The Place Value of 2 is 20.	The Face Value of 2 is 2.
	The Place Value of 3 is 300.	The Face Value of 3 is 3.

Number	Place Value	Face Value
3 6 4		
	<p>The Place Value of 4 is 4.</p> <p>The Place Value of 6 is 60.</p> <p>The Place Value of 3 is 300.</p>	<p>The Face Value of 4 is 4.</p> <p>The Face Value of 6 is 6.</p> <p>The Face Value of 3 is 3.</p>
Number	Place Value	Face Value
4 6 5		
	<p>The Place Value of 5 is 5.</p> <p>The Place Value of 6 is 60.</p> <p>The Place Value of 4 is 400.</p>	<p>The Face Value of 5 is 5.</p> <p>The Face Value of 6 is 6.</p> <p>The Face Value of 4 is 4.</p>
Number	Place Value	Face Value
1 7 9		
	<p>The Place Value of 9 is 9.</p> <p>The Place Value of 7 is 70.</p> <p>The Place Value of 1 is 100.</p>	<p>The Face Value of 9 is 9.</p> <p>The Face Value of 7 is 7.</p> <p>The Face Value of 1 is 1.</p>

Write the place value of the circled digits :

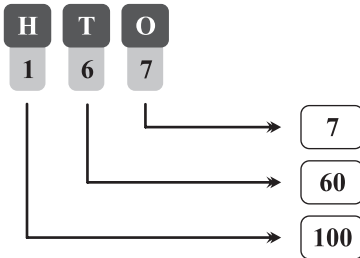
Ans.

Place Value	Place Value
2 4 5 → 5 ones = 5	1 1 7 → 7 ones = 7
3 0 0 → 3 hundreds = 300	2 0 0 → 2 hundreds = 200
2 7 9 → 7 tens = 70	1 7 9 → 7 tens = 70
3 7 8 → 8 ones = 8	2 8 7 → 7 ones = 7
1 7 5 → 5 ones = 5	1 8 9 → 9 ones = 9
3 4 9 → 9 ones = 9	7 4 5 → 4 tens = 40
5 4 7 → 5 hundreds = 500	6 4 5 → 6 hundreds = 600
2 4 9 → 4 tens = 40	1 4 7 → 7 ones = 7
2 4 0 → 0 tens = 0	2 4 5 → 5 ones = 5
2 7 9 → 9 ones = 9	1 8 0 → 8 tens = 80
3 4 5 → 5 ones = 5	2 6 5 → 6 tens = 60

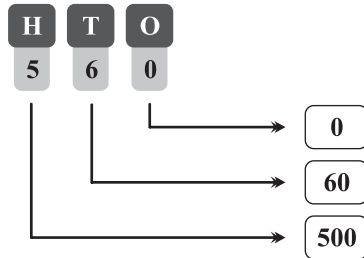
Mental Maths

Write numerals and find the place value of each digit.

1. One hundred sixty seven



2. Five hundred and sixty



Expanded Numbers

Write the following in expanded form. One is done for you.

Ans.

$$212 = 200 + 10 + 2$$

$$345 = 300 + 40 + 5$$

$$175 = 100 + 70 + 5$$

$$305 = 300 + 0 + 5$$

$$407 = 400 + 0 + 7$$

$$530 = 500 + 30 + 0$$

$$270 = 200 + 70 + 0$$

$$117 = 100 + 10 + 7$$

$$289 = 200 + 80 + 9$$

$$240 = 200 + 40 + 0$$

Write the following in short form. One is done for you.

Ans.

$$300 + 20 + 2 = 322$$

$$500 + 30 + 8 = 538$$

$$100 + 80 + 7 = 187$$

$$300 + 30 + 4 = 334$$

$$400 + 20 + 5 = 425$$

$$100 + 20 + 8 = 128$$

$$200 + 80 + 2 = 282$$

$$300 + 80 + 5 = 385$$

$$400 + 30 + 7 = 437$$

$$100 + 40 + 5 = 145$$

Comparing Numbers on the Basis of Hundreds

Compare the numbers by using $>$ or $<$.

Ans.

$$234 < 356$$

$$298 < 392$$

$$131 < 231$$

$$267 < 312$$

$$200 < 300$$

315 > 275	365 > 245	147 < 275	219 > 117	407 > 240
264 > 147	315 > 207	245 < 375	117 < 214	119 < 175

Comparing Numbers on the Basis of Tens and Ones

Compare the numbers by using > or <.

Ans.

242 < 262	142 < 156	222 < 246	164 < 184	310 > 301
129 < 134	371 > 362	112 < 122	201 < 287	

Put <, >

Ans.

254 < 256	312 < 319	436 > 432
-----------	-----------	-----------

Smallest and Largest Number

Write the smallest number in the ● of each flower.

Ans.

145 128 ● 118 118 123	236 225 ● 200 200 292	243 297 ● 243 284 281	182 195 ● 123 123 197	136 126 ● 123 125 123
195 138 ● 129 135 129	217 227 ● 217 219 255	326 372 ● 326 345 298	325 394 ● 325 363 393	128 192 ● 128 197 171
185 126 ● 126 147 137	239 250 ● 239 282 240	284 236 ● 225 297 225	347 328 ● 84 388 84	245 253 ● 245 271 262

Write the largest number in the ● of each house.

Ans.

● 192 192 145 161	● 176 90 176 129	● 282 264 255 282	● 143 143 70 140	● 289 199 289 279	● 170 170 140 150
● 345 245 345 167	● 242 226 242 157	● 199 189 179 199	● 198 119 198 189	● 343 343 116 137	● 359 123 145 359

Ordering of Numbers

Arrange the numbers in ascending order.

Ans.

19, 142, 842, 521, 190	19, 142, 190, 521, 842
335, 550, 450, 255, 145	145, 255, 335, 450, 550
31, 801, 759, 111, 94	31, 94, 111, 759, 801
98, 441, 411, 824, 674	98, 411, 441, 674, 824
708, 211, 333, 310, 403	211, 310, 333, 403, 708
515, 805, 129, 908, 695	129, 515, 695, 805, 908
231, 58, 656, 987, 186	58, 186, 231, 656, 987

Arrange the numbers in descending order.

Ans.

441, 584, 430, 796, 111	796, 584, 441, 430, 111
864, 229, 734, 152, 341	864, 734, 341, 229, 152
427, 639, 186, 89, 925	925, 639, 427, 186, 89
74, 141, 482, 467, 912	912, 482, 467, 141, 74
642, 666, 231, 981, 578	981, 642, 666, 578, 231
679, 131, 304, 458, 215	679, 458, 304, 215, 131
468, 292, 374, 251, 121	679, 374, 292, 251, 121

Let's Review

Write the missing numbers.

Ans.

311	312	313	314	315	316	317	318	319	320
149	150	151	152	153	154	155	156	157	158
202	203	204	205	206	207	208	209	210	211

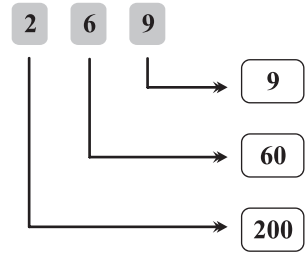
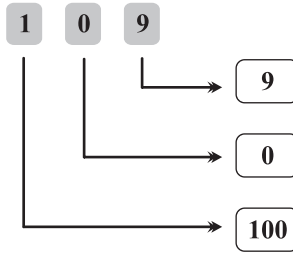
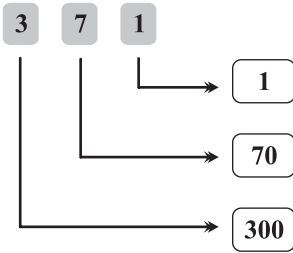
Complete the table.

Ans.

Numeral	Number Name	Numeral	Number Name
419	Four hundred nineteen	900	Nine hundred
301	Three hundred one	245	Two hundred five
87	Eighty seven		

Write the place value of each digit.

Ans.



Put $>$, $<$ or $=$ in \square .

Ans.

$316 < 475$ $218 < 219$ $209 > 149$ $420 > 380$ $437 > 335$
 $144 = 144$ $245 < 249$ $169 < 249$ $345 > 194$



Unit Three : Addition



Properties of Addition

Fill in the blanks.

Ans.

$5 + 0 = 5$ $6 + 0 = 6$ $3 + 1 = 4$
 $3 + 4 = 4 + 3$ $15 + 9 = 9 + 15$ $16 + 20 = 20 + 16$

Adding 2-digit Number without regrouping

Add the following.

Ans.

$\begin{array}{r} 14 \\ + 63 \\ \hline 77 \end{array}$	$\begin{array}{r} 94 \\ + 02 \\ \hline 96 \end{array}$	$\begin{array}{r} 63 \\ + 05 \\ \hline 68 \end{array}$	$\begin{array}{r} 44 \\ + 42 \\ \hline 86 \end{array}$	$\begin{array}{r} 40 \\ + 40 \\ \hline 80 \end{array}$	$\begin{array}{r} 77 \\ + 12 \\ \hline 89 \end{array}$	$\begin{array}{r} 81 \\ + 11 \\ \hline 99 \end{array}$
$\begin{array}{r} 63 \\ + 12 \\ \hline 75 \end{array}$	$\begin{array}{r} 64 \\ + 33 \\ \hline 97 \end{array}$	$\begin{array}{r} 82 \\ + 12 \\ \hline 94 \end{array}$	$\begin{array}{r} 21 \\ + 42 \\ \hline 63 \end{array}$	$\begin{array}{r} 56 \\ + 13 \\ \hline 69 \end{array}$	$\begin{array}{r} 35 \\ + 32 \\ \hline 67 \end{array}$	$\begin{array}{r} 34 \\ + 54 \\ \hline 88 \end{array}$
$\begin{array}{r} 26 \\ + 31 \\ \hline 57 \end{array}$	$\begin{array}{r} 22 \\ + 12 \\ \hline 34 \end{array}$	$\begin{array}{r} 56 \\ + 51 \\ \hline 107 \end{array}$	$\begin{array}{r} 62 \\ + 62 \\ \hline 124 \end{array}$	$\begin{array}{r} 54 \\ + 54 \\ \hline 108 \end{array}$	$\begin{array}{r} 32 \\ + 36 \\ \hline 68 \end{array}$	

Add the following.

Ans.

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

Addition of three 2-digit Numbers

Add the following.

Ans.

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

Add.

Ans.

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

Addition by Expanded Form

Add by filling in the boxes.

Ans.

$$\begin{array}{r}
 \text{1. Add 57 and 11} \\
 57 = 50 + 7 \\
 + 11 = 10 + 1 \\
 \hline
 \text{Sum} = 60 + 8 \\
 = 57 + 11 = 68
 \end{array}$$

$$\begin{array}{r}
 \text{2. Add 72 and 23} \\
 72 = 70 + 2 \\
 + 23 = 20 + 3 \\
 \hline
 \text{Sum} = 90 + 5 \\
 = 72 + 23 = 95
 \end{array}$$

$$\begin{array}{r}
 \text{3. Add 52 and 15} \\
 52 = 50 + 2 \\
 + 15 = 10 + 5 \\
 \hline
 \text{Sum} = 60 + 7 \\
 = 52 + 15 = 67
 \end{array}$$

$$\begin{array}{r}
 \text{4. Add 42 and 26} \\
 42 = 40 + 2 \\
 + 26 = 20 + 6 \\
 \hline
 \text{Sum} = 60 + 8 \\
 = 42 + 26 = 68
 \end{array}$$

$$\begin{array}{r}
 \text{5. Add 55 and 24} \\
 55 = 50 + 5 \\
 + 24 = 20 + 4 \\
 \hline
 \text{Sum} = 70 + 9 \\
 = 55 + 24 = 79
 \end{array}$$

$$\begin{array}{r}
 \text{6. Add 24 and 33} \\
 24 = 20 + 4 \\
 + 33 = 30 + 3 \\
 \hline
 \text{Sum} = 50 + 7 \\
 = 24 + 33 = 57
 \end{array}$$

$$\begin{array}{r}
 \text{7. Add 28 and 20} \\
 28 = 20 + 8 \\
 + 20 = 20 + 0 \\
 \hline
 \text{Sum} = 40 + 8 \\
 = 28 + 20 = 48
 \end{array}$$

$$\begin{array}{r}
 \text{8. Add 50 and 12} \\
 50 = 50 + 0 \\
 + 12 = 10 + 2 \\
 \hline
 \text{Sum} = 60 + 2 \\
 = 50 + 12 = 62
 \end{array}$$

$$\begin{array}{r}
 \text{9. Add 47 and 11} \\
 47 = 40 + 7 \\
 + 11 = 10 + 1 \\
 \hline
 \text{Sum} = 50 + 8 \\
 = 47 + 11 = 58
 \end{array}$$

Addition 2-digit Numbers with regrouping

Add by filling in the boxes.

Ans.

$$\begin{array}{r}
 \text{1. Add 38 and 46} \\
 38 = 30 + 8 \\
 + 46 = 40 + 6 \\
 \hline
 \text{Sum} = 70 + 14 \\
 = 80 + 4 \\
 = 38 + 46 = 84
 \end{array}$$

$$\begin{array}{r}
 \text{2. Add 29 and 47} \\
 29 = 20 + 9 \\
 + 47 = 40 + 7 \\
 \hline
 \text{Sum} = 60 + 16 \\
 = 70 + 6 \\
 = 29 + 47 = 76
 \end{array}$$

$$\begin{array}{r}
 \text{3. Add 54 and 38} \\
 54 = 50 + 4 \\
 + 38 = 30 + 8 \\
 \hline
 \text{Sum} = 80 + 12 \\
 = 90 + 2 \\
 = 54 + 38 = 92
 \end{array}$$

$$\begin{array}{r}
 \text{4. Add } 36 + 36 + 27 \\
 36 = 30 + 6 \\
 36 = 30 + 6 \\
 + 27 = 20 + 7 \\
 \hline
 \text{Sum} = 80 + 19 \\
 = 90 + 9 \\
 = 36 + 36 + 27 = 99
 \end{array}$$

$$\begin{array}{r}
 \text{5. Add } 16 + 44 + 34 \\
 16 = 10 + 6 \\
 44 = 40 + 4 \\
 + 34 = 30 + 4 \\
 \hline
 \text{Sum} = 80 + 14 \\
 = 90 + 4 \\
 = 16 + 44 + 34 = 94
 \end{array}$$

$$\begin{array}{r}
 \text{6. Add } 25 + 25 + 20 \\
 25 = 20 + 5 \\
 25 = 20 + 5 \\
 + 20 = 20 + 0 \\
 \hline
 \text{Sum} = 60 + 10 \\
 = 70 + 0 \\
 = 25 + 25 + 20 = 70
 \end{array}$$

Addition of 2-digit Numbers

Add the following.

Ans.

$\begin{array}{r} \text{T O} \\ 1 \\ 17 \\ + 26 \\ \hline 43 \end{array}$	$\begin{array}{r} \text{T O} \\ \\ 62 \\ + 17 \\ \hline 79 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 75 \\ + 16 \\ \hline 91 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 64 \\ + 19 \\ \hline 83 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 54 \\ + 16 \\ \hline 70 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 59 \\ + 29 \\ \hline 88 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 77 \\ + 13 \\ \hline 90 \end{array}$
$\begin{array}{r} \text{T O} \\ 1 \\ 56 \\ + 24 \\ \hline 80 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 45 \\ + 25 \\ \hline 70 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 36 \\ + 46 \\ \hline 82 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 44 \\ + 26 \\ \hline 70 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 63 \\ + 29 \\ \hline 92 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 39 \\ + 42 \\ \hline 81 \end{array}$	$\begin{array}{r} \text{T O} \\ \\ 43 \\ + 22 \\ \hline 65 \end{array}$
$\begin{array}{r} \text{T O} \\ 1 \\ 56 \\ + 22 \\ \hline 78 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 45 \\ + 26 \\ \hline 71 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 65 \\ + 29 \\ \hline 94 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 29 \\ + 24 \\ \hline 53 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 43 \\ + 29 \\ \hline 72 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 55 \\ + 25 \\ \hline 80 \end{array}$	
$\begin{array}{r} \text{T O} \\ \\ 25 \\ + 22 \\ \hline 47 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 43 \\ + 28 \\ \hline 71 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 37 \\ + 25 \\ \hline 62 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 72 \\ + 08 \\ \hline 80 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 37 \\ + 45 \\ \hline 82 \end{array}$		

Add the following :

Ans.

$\begin{array}{r} \text{T O} \\ 1 \\ 46 \\ 7 \\ + 5 \\ \hline 58 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 58 \\ 13 \\ + 2 \\ \hline 73 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 79 \\ 4 \\ + 2 \\ \hline 85 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 82 \\ 9 \\ + 8 \\ \hline 99 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 56 \\ 24 \\ + 12 \\ \hline 92 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 54 \\ 28 \\ + 10 \\ \hline 92 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 39 \\ 38 \\ + 22 \\ \hline 99 \end{array}$
$\begin{array}{r} \text{T O} \\ 1 \\ 53 \\ 17 \\ + 4 \\ \hline 74 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 33 \\ 16 \\ + 24 \\ \hline 73 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 39 \\ 11 \\ + 26 \\ \hline 76 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 56 \\ 25 \\ + 11 \\ \hline 92 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 43 \\ 19 \\ + 19 \\ \hline 81 \end{array}$	$\begin{array}{r} \text{T O} \\ 2 \\ 63 \\ 27 \\ + 4 \\ \hline 94 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 43 \\ 37 \\ + 18 \\ \hline 98 \end{array}$
$\begin{array}{r} \text{T O} \\ 1 \\ 48 \\ 22 \\ + 10 \\ \hline 80 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 29 \\ 54 \\ + 10 \\ \hline 93 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 31 \\ 49 \\ + 18 \\ \hline 98 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 14 \\ 38 \\ + 24 \\ \hline 76 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 48 \\ 29 \\ + 21 \\ \hline 98 \end{array}$	$\begin{array}{r} \text{T O} \\ 1 \\ 18 \\ 54 \\ + 13 \\ \hline 85 \end{array}$	

Word Problems

Ans.

$$\begin{array}{rcl}
 \text{Number of mango trees} & = & 70 \\
 \text{Number of guava trees} & = & 16 \\
 \text{Number of orange trees} & = & + 12 \\
 \hline
 \text{Total trees} & & 98
 \end{array}$$

Answer : 98 trees in the garden.

$$\begin{array}{rcl}
 \text{Men} & = & 23 \\
 \text{Women} & = & 42 \\
 \text{Children} & = & + 14 \\
 \hline
 \text{Total peoples} & & 79
 \end{array}$$

Answer : 72 people in the bus.

$$\begin{array}{rcl}
 \text{Number of apples plucked in one garden} & = & 34 \\
 \text{Number of apples plucked in second garden} & = & 38 \\
 \text{Number of apples plucked in third garden} & = & + 13 \\
 \hline
 \text{Total trees} & & 85
 \end{array}$$

Answer : He pluck 85 apples.

$$\begin{array}{rcl}
 \text{Number of passengers in the ship} & = & 32 \\
 \text{Number of passengers joined them} & = & \underline{2} \\
 \hline
 \text{Total passengers} & = & 56
 \end{array}$$

Answer : 56 passengers were travelling in the ship.

Word Problems

Ans.

$$\begin{array}{rcl}
 & & \textcircled{1} \\
 \text{Number of pencils} & = & 17 \\
 \text{His mother gave pencils} & = & + 19 \\
 \hline
 \text{Total pencils} & = & 36
 \end{array}$$

Answer : Manav have 36 pencils.

$$\begin{array}{rcl}
 & & \textcircled{1} \\
 \text{Santosh makes cookies} & = & 35 \\
 \text{Cookies made more} & = & + 27 \\
 \hline
 \text{Total cookies} & = & 62
 \end{array}$$

Answer : Santosh make 62 cookies.

$$\begin{array}{rcl}
 & & \textcircled{1} \\
 \text{Number of deer} & = & 19 \\
 \text{Deer come} & = & + 14 \\
 \hline
 \text{Total deer} & = & 33
 \end{array}$$

Answer : There are 33 deer.

$$\begin{array}{rcl}
 & & \textcircled{1} \\
 \text{Number of fish} & = & 35 \\
 \text{More fish come} & = & + 18 \\
 \hline
 \text{Total fish} & = & 53
 \end{array}$$

Answer : There are 53 fish.

$$\begin{array}{rcl}
 & & \textcircled{1} \\
 \text{Number of chocolates} & = & 26 \\
 \text{Father gave chocolates} & = & + 15 \\
 \hline
 \text{Total chocolates} & = & 41
 \end{array}$$

Answer : Honey have 41 chocolates.

Let's Review

Regroup the ones to tens and ones then fill in the boxes.

- Ans. a. 46 ones = **40** tens and **6** ones b. 95 ones = **90** tens and **5** ones
 c. 16 ones = **10** tens and **6** ones d. 2 tens and 12 ones = **3** tens and **2** ones
 e. 3 tens and 25 ones = **5** tens and **5** ones
 f. 5 tens and 20 ones = **7** tens and **0** ones

Add the following :

Ans.

T	O
4	4
+	1 3
5 7	

T	O
1	
4	5
+	2 7
7 2	

T	O
5	4
+	2 2
7 6	

T	O
1	
6	4
+	1 6
8 0	

T	O
1	
2	7
+	1 5
3 2	

Add the following there 2-digit numbers.

Ans.

T	O
1	5
6	2
+	1 0
8 7	

T	O
1	
2	8
5	6
+	9
9 3	

T	O
3	0
6	5
+	4
9 9	

T	O
2	4
0	0
+	5 0
7 4	

T	O
1	5
6	2
+	1 0
8 7	

Solve the following word problems.

Ans.

Jane bought books	=	1 3 9
Abdul bought books	=	4 2
Sanaya bought books	=	<u>1 3</u>
Total books buy		9 4

Unit Four : Subtraction



Properties of Subtraction

Fill in the blanks.

Ans.

$4 - 0 = \mathbf{4}$	$6 - 6 = \mathbf{0}$	$22 - 0 = \mathbf{22}$	$\mathbf{16} - 16 = 0$
$26 - 0 = \mathbf{26}$	$89 - 1 = \mathbf{88}$	$\mathbf{57} - 1 = 56$	$\mathbf{98} - 0 = 98$
$67 - 68 = \mathbf{0}$	$98 - 98 = \mathbf{0}$	$\mathbf{12} - 12 = 0$	$\mathbf{64} - 64 = 0$

Subtraction of 2-digit Numbers without regrouping

Subtract the following.

Ans.

T	O
3	5
-	1 4
2	1

T	O
6	9
-	4 5
2	4

T	O
8	6
-	2 4
6	2

T	O
4	5
-	1 2
3	3

T	O
7	4
-	6 2
1	2

T	O
3	8
-	1 4
2	4

T	O
5	4
-	1 3
4	1

T	O
4	6
-	1 5
3	1

T	O
6	4
-	2 3
4	1

T	O
5	3
-	1 2
4	1

T	O
9	3
-	5 0
4	3

T	O
2	7
-	1 6
5	1

T	O
4	4
-	4 0
0	4

T	O
5	4
-	2 0
3	4

T	O
3	8
-	2 6
1	2

Subtraction of 2-digit Numbers

Subtract.

Ans.

T	O
4	9
-	1 4
3	5

T	O
5	5
-	2 3
3	2

T	O
6	8
-	3 2
3	6

T	O
7	7
-	4 2
3	5

T	O
7	9
-	3 8
4	1

T	O
8	7
-	4 6
4	1

T	O
9	3
-	6 1
3	2

T	O
8	8
-	6 5
2	3

T	O
9	1
-	2 1
7	0

T	O
9	9
-	7 8
2	1

T	O
9	9
-	6 3
3	6

T	O
9	7
-	6 3
3	4

T	O
8	9
-	5 8
3	1

T	O
7	9
-	4 3
3	6

T	O
6	8
-	2 4
4	4

T	O
3	8
-	2 5
1	3

T	O
4	6
-	2 1
2	5

T	O
6	9
-	3 3
3	6

T	O
7	7
-	5 5
2	2

T	O
8	3
-	3 1
5	2

T	O
8	8
-	8 2
0	6

T	O
6	8
-	2 6
4	2

T	O
7	7
-	4 7
3	0

T	O
5	7
-	4 0
1	7

T	O
3	8
-	2 5
1	3

Subtraction of 2-digit Numbers with regrouping

Subtract the following.

Ans.

T	O
4	18
8	8
-	3 9
1	9

T	O
6	12
7	2
-	5 5
1	7

T	O
6	14
7	4
-	4 8
2	6

T	O
5	17
8	7
-	2 9
3	8

T	O
4	15
8	8
-	2 7
2	8

T	O
4	15
8	8
-	3 8
1	7

T	O
5	12
8	2
-	3 4
2	8

T	O
6	10
7	0
-	5 2
1	8

T	O
8	17
9	7
-	4 9
4	8

T	O
3	13
4	3
-	2 5
1	8

Subtraction of 2-digit Numbers

Subtract.

Ans.

T	O
3	12
4	2
-	1 9
2	3

T	O
5	18
6	8
-	2 9
3	9

T	O
6	13
7	3
-	3 8
3	5

T	O
8	15
9	5
-	3 7
5	8

T	O
2	14
3	4
-	1 8
1	6

T	O
3	15
4	5
-	2 9
1	6

T	O
3	10
4	0
-	1 6
2	4

T	O
5	10
6	0
-	2 5
3	5

T	O
7	17
8	7
-	4 9
3	8

T	O
4	16
5	6
-	3 8
1	8

T	O
4	11
5	1
-	1 6
3	5

T	O
7	12
8	2
-	4 9
3	3

T	O
6	15
7	5
-	2 8
4	7

T	O
5	13
6	3
-	2 7
3	6

T	O
2	13
3	3
-	1 8
1	5

T	O
5	11
6	1
-	2 8
3	3

T	O
7	11
8	1
-	4 6
3	5

T	O
5	16
6	6
-	4 9
1	7

T	O
8	11
9	1
-	3 6
5	5

T	O
8	10
9	0
-	7 7
1	3

T	O
6	12
7	2
-	2 8
4	4

T	O
6	15
7	5
-	3 6
3	9

T	O
7	14
8	4
-	4 6
3	8

T	O
7	10
8	0
-	5 9
2	7

T	O
8	11
9	1
-	6 2
2	9

Subtraction of 2-digit Numbers

Subtract the following.

Ans.

T	O
5	11
6	1
-	3 7
2	4

T	O
7	12
8	2
-	7 5
7	

T	O
4	17
5	7
-	2 8
2	9

T	O
2	14
3	4
-	2 9
5	

T	O
6	11
7	1
-	5 9
1	2

T	O
8	11
9	1
-	7 5
1	6

T	O
●	●
9	9
-	8 9
1	0

T	O
3	15
4	5
-	2 7
1	8

T	O
5	14
6	4
-	2 5
3	9

T	O
4	11
5	1
-	3 4
1	7

T	O
7	13
8	3
-	4 9
3	4

T	O
6	11
7	1
-	5 9
1	2

T	O
8	11
9	1
-	5 4
3	7

T	O
7	16
8	6
-	6 7
1	9

T	O
●	●
7	8
-	6 5
1	0

T	O
●	●
8	6
-	4 5
2	1

T	O
7	15
8	5
-	6 7
1	8

T	O
8	15
9	5
-	6 8
2	7

T	O
7	15
8	5
-	4 9
3	6

T	O
8	15
9	5
-	6 6
2	9

Word Problems

Ans.

$$\begin{array}{r} \text{Total pages} = 85 \\ \text{Read pages} = \underline{-42} \\ \text{Pages left} = \underline{43} \end{array}$$

Answer : 43 pages still have to read.

$$\begin{array}{r} \text{Total students} = 62 \\ \text{Number of boys} = \underline{-42} \\ \text{Number of girls} = \underline{20} \end{array}$$

Answer : There are 20 girls in the class.

$$\begin{array}{r} \text{Total watches he had} = 612 \\ \text{Sold watches} = \underline{-59} \\ \text{Remaining watches} = \underline{13} \end{array}$$

Answer : 13 watches are remaining with him.

$$\begin{array}{r} \text{Total animals} = 810 \\ \text{Number of animals ran away} = \underline{-29} \\ \text{Left animals} = \underline{61} \end{array}$$

Answer : 61 are left.

$$\begin{array}{r} \text{Number of students} = 313 \\ \text{Number of girls} = \underline{-27} \\ \text{Number of boys} = \underline{16} \end{array}$$

Answer : There are 16 boys.

Word Problems

Ans.

$$\begin{array}{r} \text{Stamps he had} = 510 \\ \text{Stamps given to friend} = \underline{-23} \\ \text{Stamps left} = \underline{37} \end{array}$$

Answer : He have 37 stamps.

$$\begin{array}{r} \text{Flower seller had flowers} = 812 \\ \text{Number of flowers sold} = \underline{-43} \\ \text{Flower left} = \underline{49} \end{array}$$

Answer : 49 flowers are left with him.

$$\begin{array}{r} \text{Number of birds} = 711 \\ \text{Birds fly away} = \underline{-24} \\ \text{Birds are left} = \underline{57} \end{array}$$

Answer : 57 birds are left on the trees.

$$\begin{array}{r} \text{Total number of flowers} = 88 \\ \text{Number of flowers pluck} = \underline{-23} \\ \text{Flowers left} = \underline{65} \end{array}$$

Answer : 65 flowers are left in the garden.

$$\begin{array}{r} \text{Number of fish} = 412 \\ \text{Fish die} = \underline{-24} \\ \text{Fish left} = \underline{28} \end{array}$$

Answer : 28 fish are left in the tank.

$$\begin{array}{r} \text{Number of girls} = 34 \\ \text{Number of boys} = \underline{-22} \\ \text{Difference} = \underline{12} \end{array}$$

Answer : 12 more girls than boys.

Let's Review

Find the missing digit.

Ans.

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

$$\begin{array}{r} \text{T} \quad \text{O} \\ 7 \quad 13 \\ \cancel{8} \quad \cancel{8} \\ - 2 \quad 9 \\ \hline 5 \quad 4 \end{array}$$

$$\begin{array}{r} \text{T} \quad \text{O} \\ 8 \quad 11 \\ 9 \quad \cancel{8} \\ - 2 \quad 2 \\ \hline 6 \quad 9 \end{array}$$

$$\begin{array}{r} \text{T} \quad \text{O} \\ 8 \quad 9 \\ - 3 \quad 2 \\ \hline 5 \quad 7 \end{array}$$

Find the difference.

Ans.

$$\begin{array}{r} \text{T} \quad \text{O} \\ 9 \quad 0 \\ - 4 \quad 0 \\ \hline 5 \quad 0 \end{array}$$

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

$$\begin{array}{r} \text{T} \quad \text{O} \\ 7 \quad 10 \\ 8 \quad \cancel{8} \\ - 5 \quad 2 \\ \hline 2 \quad 8 \end{array}$$

$$\begin{array}{r} \text{T} \quad \text{O} \\ 3 \quad 13 \\ \cancel{4} \quad \cancel{8} \\ - 2 \quad 6 \\ \hline 1 \quad 7 \end{array}$$

Fill in the blanks.

Ans.

$$16 - 0 = 16$$

$$96 - 96 = 0$$

$$25 - 25 = 0$$

$$49 - 0 = 49$$

$$91 - 1 = 90$$

$$25 - 1 = 24$$

Solve the following.

Ans.

Total toffees	=	$\begin{array}{r} 8 \quad 15 \\ \cancel{8} \quad \cancel{8} \end{array}$
Toffees distributed	=	$\begin{array}{r} - 7 \quad 8 \\ \hline 1 \quad 7 \end{array}$
Toffees left	=	$\begin{array}{r} 1 \quad 7 \end{array}$

Number of students	=	$\begin{array}{r} 8 \quad 10 \\ \cancel{8} \quad \cancel{8} \end{array}$
Number of girls	=	$\begin{array}{r} - 6 \quad 5 \\ \hline 2 \quad 5 \end{array}$
Number of boys	=	$\begin{array}{r} 2 \quad 5 \end{array}$

Unit Five : Multiplication



Multiplication

Let us count and write the multiplication result.

Ans.

One bowl has 4 fish.

Three bowls have 3×4 fish.

$3 \times 4 = 4 + 4 + 4 = 12$ fish.

Flowers in 1 pot = 5

Flowers in 3 pots = 3×5

= 15

Pencils in 1 bunch = 4

Pencils in 5 bunches = 5×4

= 20

Balloons in 1 bunch = 7

Balloons in 3 bunches = 3×7

= 21

Flowers on 1 bunch = 4

Flower on 4 bunches = 4×4

= 16

Multiplication as Repeated Addition

Multiply the following.






Ans.

5×2	$2 + 2 + 2 + 2 + 2$	=	10
6×2	$2 + 2 + 2 + 2 + 2 + 2$	=	12
6×6	$6 + 6 + 6 + 6 + 6 + 6$	=	36
7×3	$3 + 3 + 3 + 3 + 3 + 3 + 3$	=	21
3×3	$3 + 3 + 3$	=	9
4×6	$6 + 6 + 6 + 6$	=	24
4×4	$4 + 4 + 4 + 4$	=	16
4×7	$7 + 7 + 7 + 7$	=	28
5×6	$6 + 6 + 6 + 6 + 6$	=	30
4×3	$3 + 3 + 3 + 3$	=	12
5×5	$5 + 5 + 5 + 5 + 5$	=	25
8×2	$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2$	=	16

Multiplication Fun

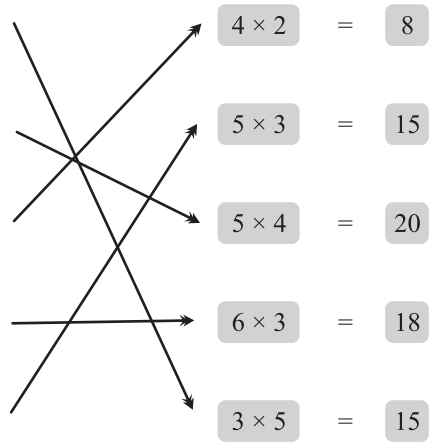
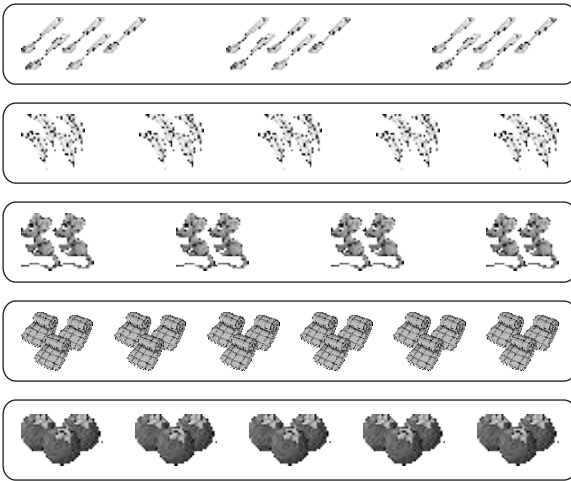
Observe the pictures and fill in the boxes.

Ans.

	2×4	=	8
	5×2	=	10
	4×3	=	12
	3×5	=	15
	4×4	=	16

Match the following :

Ans.



Multiplication Tables

Fill in the boxes.

Ans.

$4 \times 3 = 12$	$5 \times 9 = 45$	$3 \times 8 = 24$	$2 \times 5 = 10$
$3 \times 5 = 15$	$3 \times 10 = 30$	$2 \times 6 = 12$	$4 \times 7 = 28$
$2 \times 10 = 20$	$3 \times 2 = 6$	$2 \times 9 = 18$	$3 \times 1 = 3$
$2 \times 8 = 16$	$5 \times 4 = 20$	$5 \times 1 = 5$	$4 \times 4 = 16$
$5 \times 5 = 25$	$4 \times 9 = 36$	$3 \times 7 = 21$	$5 \times 8 = 40$
$5 \times 10 = 50$	$4 \times 6 = 24$	$3 \times 6 = 18$	$2 \times 7 = 14$
$3 \times 9 = 18$	$5 \times 7 = 35$	$6 \times 6 = 36$	$4 \times 1 = 4$
$4 \times 6 = 24$	$5 \times 2 = 10$	$2 \times 4 = 8$	$2 \times 3 = 6$
$4 \times 3 = 12$	$4 \times 8 = 32$	$3 \times 8 = 24$	$2 \times 1 = 2$

Mental Maths

State true or false.

a. True

b. True

c. False

d. False

Vertical Multiplication

Multiply the following.

Ans.

$\begin{array}{r} 4 \\ \times 5 \\ \hline 20 \end{array}$	$\begin{array}{r} 6 \\ \times 2 \\ \hline 12 \end{array}$	$\begin{array}{r} 5 \\ \times 1 \\ \hline 5 \end{array}$	$\begin{array}{r} 3 \\ \times 2 \\ \hline 6 \end{array}$	$\begin{array}{r} 6 \\ \times 4 \\ \hline 24 \end{array}$	$\begin{array}{r} 4 \\ \times 2 \\ \hline 8 \end{array}$	$\begin{array}{r} 6 \\ \times 6 \\ \hline 36 \end{array}$	$\begin{array}{r} 5 \\ \times 5 \\ \hline 25 \end{array}$
$\begin{array}{r} 3 \\ \times 4 \\ \hline 12 \end{array}$	$\begin{array}{r} 2 \\ \times 1 \\ \hline 2 \end{array}$	$\begin{array}{r} 2 \\ \times 2 \\ \hline 4 \end{array}$	$\begin{array}{r} 1 \\ \times 6 \\ \hline 6 \end{array}$	$\begin{array}{r} 3 \\ \times 5 \\ \hline 15 \end{array}$	$\begin{array}{r} 4 \\ \times 3 \\ \hline 12 \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline 30 \end{array}$	$\begin{array}{r} 5 \\ \times 3 \\ \hline 15 \end{array}$
$\begin{array}{r} 2 \\ \times 7 \\ \hline 14 \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline 21 \end{array}$	$\begin{array}{r} 4 \\ \times 9 \\ \hline 36 \end{array}$	$\begin{array}{r} 5 \\ \times 4 \\ \hline 20 \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline 16 \end{array}$	$\begin{array}{r} 5 \\ \times 9 \\ \hline 45 \end{array}$	$\begin{array}{r} 5 \\ \times 2 \\ \hline 10 \end{array}$	
$\begin{array}{r} 6 \\ \times 3 \\ \hline 18 \end{array}$	$\begin{array}{r} 4 \\ \times 1 \\ \hline 4 \end{array}$	$\begin{array}{r} 3 \\ \times 3 \\ \hline 9 \end{array}$	$\begin{array}{r} 1 \\ \times 5 \\ \hline 5 \end{array}$	$\begin{array}{r} 6 \\ \times 7 \\ \hline 42 \end{array}$	$\begin{array}{r} 6 \\ \times 5 \\ \hline 30 \end{array}$	$\begin{array}{r} 1 \\ \times 3 \\ \hline 3 \end{array}$	

Multiplication of a 2-digit Number by a 1-digit Number

Do the following yourself.

Ans.

$\begin{array}{r} \text{T O} \\ 34 \\ \times 2 \\ \hline 68 \end{array}$	$\begin{array}{r} \text{T O} \\ 41 \\ \times 2 \\ \hline 82 \end{array}$	$\begin{array}{r} \text{T O} \\ 33 \\ \times 2 \\ \hline 66 \end{array}$	$\begin{array}{r} \text{T O} \\ 42 \\ \times 2 \\ \hline 84 \end{array}$	$\begin{array}{r} \text{T O} \\ 24 \\ \times 2 \\ \hline 48 \end{array}$	$\begin{array}{r} \text{T O} \\ 32 \\ \times 3 \\ \hline 96 \end{array}$	$\begin{array}{r} \text{T O} \\ 14 \\ \times 2 \\ \hline 28 \end{array}$	$\begin{array}{r} \text{T O} \\ 11 \\ \times 9 \\ \hline 99 \end{array}$
$\begin{array}{r} \text{T O} \\ 21 \\ \times 3 \\ \hline 63 \end{array}$	$\begin{array}{r} \text{T O} \\ 12 \\ \times 4 \\ \hline 48 \end{array}$	$\begin{array}{r} \text{T O} \\ 31 \\ \times 2 \\ \hline 62 \end{array}$	$\begin{array}{r} \text{T O} \\ 21 \\ \times 4 \\ \hline 84 \end{array}$	$\begin{array}{r} \text{T O} \\ 31 \\ \times 3 \\ \hline 63 \end{array}$	$\begin{array}{r} \text{T O} \\ 49 \\ \times 1 \\ \hline 49 \end{array}$	$\begin{array}{r} \text{T O} \\ 34 \\ \times 2 \\ \hline 68 \end{array}$	

Multiplying 2-digit Numbers

Multiply the following :

Ans.

$\begin{array}{r} \text{T O} \\ 11 \\ \times 2 \\ \hline 22 \end{array}$	$\begin{array}{r} \text{T O} \\ 22 \\ \times 3 \\ \hline 66 \end{array}$	$\begin{array}{r} \text{T O} \\ 30 \\ \times 2 \\ \hline 60 \end{array}$	$\begin{array}{r} \text{T O} \\ 29 \\ \times 1 \\ \hline 29 \end{array}$	$\begin{array}{r} \text{T O} \\ 10 \\ \times 8 \\ \hline 80 \end{array}$	$\begin{array}{r} \text{T O} \\ 11 \\ \times 6 \\ \hline 66 \end{array}$	$\begin{array}{r} \text{T O} \\ 13 \\ \times 3 \\ \hline 39 \end{array}$	$\begin{array}{r} \text{T O} \\ 31 \\ \times 2 \\ \hline 62 \end{array}$	$\begin{array}{r} \text{T O} \\ 75 \\ \times 1 \\ \hline 75 \end{array}$
$\begin{array}{r} \text{T O} \\ 20 \\ \times 2 \\ \hline 40 \end{array}$	$\begin{array}{r} \text{T O} \\ 10 \\ \times 7 \\ \hline 70 \end{array}$	$\begin{array}{r} \text{T O} \\ 20 \\ \times 4 \\ \hline 80 \end{array}$	$\begin{array}{r} \text{T O} \\ 32 \\ \times 2 \\ \hline 64 \end{array}$	$\begin{array}{r} \text{T O} \\ 11 \\ \times 4 \\ \hline 44 \end{array}$	$\begin{array}{r} \text{T O} \\ 20 \\ \times 3 \\ \hline 60 \end{array}$	$\begin{array}{r} \text{T O} \\ 12 \\ \times 2 \\ \hline 24 \end{array}$	$\begin{array}{r} \text{T O} \\ 31 \\ \times 3 \\ \hline 93 \end{array}$	
$\begin{array}{r} \text{T O} \\ 12 \\ \times 3 \\ \hline 36 \end{array}$	$\begin{array}{r} \text{T O} \\ 13 \\ \times 2 \\ \hline 26 \end{array}$	$\begin{array}{r} \text{T O} \\ 40 \\ \times 2 \\ \hline 80 \end{array}$	$\begin{array}{r} \text{T O} \\ 21 \\ \times 4 \\ \hline 84 \end{array}$	$\begin{array}{r} \text{T O} \\ 11 \\ \times 8 \\ \hline 88 \end{array}$	$\begin{array}{r} \text{T O} \\ 44 \\ \times 2 \\ \hline 88 \end{array}$	$\begin{array}{r} \text{T O} \\ 41 \\ \times 2 \\ \hline 82 \end{array}$	$\begin{array}{r} \text{T O} \\ 22 \\ \times 4 \\ \hline 88 \end{array}$	

Multiplication of a 2-digit Number by a 1-digit Number

Multiply the following.

Ans.

$\begin{array}{r} 1 \\ 24 \\ \times 3 \\ \hline 72 \end{array}$	$\begin{array}{r} 1 \\ 25 \\ \times 2 \\ \hline 50 \end{array}$	$\begin{array}{r} 1 \\ 46 \\ \times 2 \\ \hline 92 \end{array}$	$\begin{array}{r} 1 \\ 35 \\ \times 2 \\ \hline 70 \end{array}$	$\begin{array}{r} 2 \\ 15 \\ \times 4 \\ \hline 60 \end{array}$	$\begin{array}{r} 3 \\ 16 \\ \times 6 \\ \hline 96 \end{array}$	$\begin{array}{r} 1 \\ 24 \\ \times 4 \\ \hline 96 \end{array}$	$\begin{array}{r} 1 \\ 29 \\ \times 2 \\ \hline 58 \end{array}$
$\begin{array}{r} 1 \\ 25 \\ \times 3 \\ \hline 75 \end{array}$	$\begin{array}{r} 1 \\ 13 \\ \times 5 \\ \hline 65 \end{array}$	$\begin{array}{r} 1 \\ 18 \\ \times 2 \\ \hline 36 \end{array}$	$\begin{array}{r} 1 \\ 26 \\ \times 3 \\ \hline 78 \end{array}$	$\begin{array}{r} 2 \\ 27 \\ \times 3 \\ \hline 81 \end{array}$	$\begin{array}{r} 1 \\ 19 \\ \times 2 \\ \hline 32 \end{array}$	$\begin{array}{r} 1 \\ 27 \\ \times 2 \\ \hline 54 \end{array}$	

Word Problems on Multiplication

Ans.

$\begin{array}{r} \text{Number of hands in one boys} = 2 \\ \text{Number of boys} = \times 5 \\ \hline \text{Total number of hands in 5 boys} = 10 \end{array}$ <p>Answer : 5 boys have 10 hands.</p>	$\begin{array}{r} \text{Cost of 1 pen} = ₹ 5 \\ \text{Number of pens} = \times 6 \\ \hline \text{Cost of 6 pens} = ₹ 30 \end{array}$ <p>Answer : The cost of 6 pens is ₹30.</p>
$\begin{array}{r} \text{Number of buttons on 1 shirt} = 7 \\ \text{Number of on 11 shirts} = \times 11 \\ \hline \text{Total buttons} = 77 \end{array}$ <p>Answer : There are 77 buttons on 11 shirts.</p>	$\begin{array}{r} \text{Number of ball in bags} = 20 \\ \text{Number of balls in 2 bags} = \times 2 \\ \hline \text{Total Number of ball} = 40 \end{array}$ <p>Answer : There are 40 balls in 2 bags.</p>
$\begin{array}{r} \text{Number of trees in each row} = 42 \\ \text{Number of rows} = \times 2 \\ \hline \text{Total trees in 2 rows} = 84 \end{array}$ <p>Answer : There are 84 trees in 2 rows.</p>	$\begin{array}{r} \text{One day} = 24 \text{ hours} \\ \text{Number of days} = \times 2 \text{ hours} \\ \hline \text{Total days} = 48 \text{ hours} \end{array}$ <p>Answer : 84 trees in 2 rows.</p>
$\begin{array}{r} \text{Numbers of players in a team} = 13 \\ \text{Numbers teams} = \times 2 \\ \hline \text{Total players in 2 teams} = 26 \end{array}$ <p>Answer : There are 26 players in 2 teams.</p>	

Let's Review

Find the missing digit :

Ans.

$6 \times \boxed{1} = 6$	$8 \times 0 = \boxed{0}$	$18 \times \boxed{1} = 18$
$1 \times \boxed{10} = 10$	$3 \times \boxed{0} = 0$	$9 \times 1 = \boxed{9}$

Fill in the blanks.

Ans.

$$4 + 4 + 4 + 4 + 4 = 4 \times 5 = 20$$

$$8 + 8 + 8 = 8 \times 3 = 24$$

$$3 + 3 + 3 + 3 = 3 \times 4 = 12$$

$$6 + 6 + 6 + 6 + 6 + 6 = 6 \times 6 = 36$$

$$9 + 9 + 9 = 9 \times 3 = 27$$

Solve the following word problems :

Ans.

$$\text{Number of fingers in one boy} = 10$$

$$\text{Number apples on a tree} = 34$$

$$\text{Number of 5 boys} = \frac{\times 5}{\underline{\quad}}$$

$$\text{Number trees} = \frac{\times 2}{\underline{\quad}}$$

$$\text{Number of fingers in 5 boys} = \frac{50}{\underline{\quad}}$$

$$\text{Number of apples on tree} = \frac{68}{\underline{\quad}}$$

$$\text{Number of window ion 1 building} = 3$$

$$\text{Number of buildings} = \frac{\times 4}{\underline{\quad}}$$

$$\text{Total number of window in 4 buildings} = \frac{12}{\underline{\quad}}$$

Unit Six : Division



Division

Share equally the following and write the division fact as shown in the example.

Ans.



$$6 \div 3 = 2$$

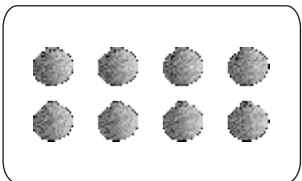


$$8 \div 4 = 2$$

Division Through Repeated Subtraction

Perform repeated subtraction and divide the objects equally in groups and write division facts as shown in the example.

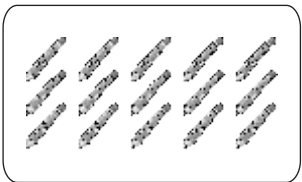
Ans.



In **2** groups

8	6	4	2
$\frac{-2}{\underline{\quad}}$	$\frac{-2}{\underline{\quad}}$	$\frac{-2}{\underline{\quad}}$	$\frac{-2}{\underline{\quad}}$
6	4	4	0
1 time	2 time	3 time	4 time

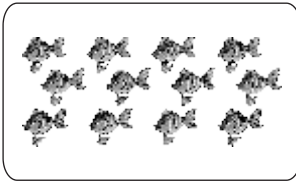
$$8 \div 2 = 4$$



In **5** groups

15	12	9	6	3
$\frac{-3}{\underline{\quad}}$	$\frac{-3}{\underline{\quad}}$	$\frac{-3}{\underline{\quad}}$	$\frac{-3}{\underline{\quad}}$	$\frac{-3}{\underline{\quad}}$
12	9	6	3	0
1 time	2 time	3 time	4 time	5 time

$$15 \div 3 = 5$$



In **4** groups

$$\begin{array}{r} 12 \\ - 4 \\ \hline 8 \\ - 4 \\ \hline 4 \\ - 4 \\ \hline 0 \end{array}$$

1 time 2 time 3 time

$$12 \div 4 = 3$$

Divisor, Dividend and Quotient

Perform the following divisions and write dividend, divisor and quotient :

Ans.

	Dividend	Divisor	Quotient
$16 \div 4 = 4$	16	4	4
$18 \div 6 = 3$	18	6	3
$12 \div 3 = 4$	12	3	4
$15 \div 5 = 3$	15	5	3
$21 \div 7 = 3$	21	7	3

Relation between Multiplication and Division

Write two division facts for each multiplication fact.

Ans.

$4 \times 3 = 12$	$12 \div 3 = 4$	$7 \times 4 = 28$	$28 \div 7 = 4$
	$12 \div 4 = 3$		$28 \div 4 = 7$
$6 \times 5 = 30$	$30 \div 6 = 5$	$6 \times 7 = 42$	$42 \div 6 = 7$
	$30 \div 5 = 6$		$42 \div 7 = 6$

Write multiplication fact corresponding to the division fact.

Ans.

$18 \div 6 = 3$	$6 \times 3 = 18$	$27 \div 9 = 3$	$9 \times 3 = 27$
$21 \div 7 = 3$	$7 \times 3 = 21$	$45 \div 5 = 9$	$5 \times 9 = 45$
$20 \div 5 = 4$	$5 \times 4 = 20$	$32 \div 4 = 8$	$4 \times 8 = 32$
$15 \div 3 = 5$	$3 \times 5 = 15$	$40 \div 5 = 8$	$5 \times 8 = 40$
$12 \div 4 = 3$	$4 \times 3 = 12$	$18 \div 3 = 6$	$3 \times 6 = 18$

Division Using Multiplication Table

If you remember multiplication tables, you can easily fill in the boxes.

Ans.

$18 \div 6 = 3$	$21 \div 3 = 7$	$50 \div 5 = 10$	$42 \div 6 = 7$
$6 \times 3 = 18$	$3 \times 7 = 21$	$5 \times 10 = 50$	$6 \times 7 = 42$

$40 \div 8 = 5$ $8 \times 5 = 40$	$30 \div 5 = 6$ $5 \times 6 = 30$	$18 \div 9 = 2$ $9 \times 2 = 18$	$80 \div 10 = 8$ $10 \times 8 = 80$
$40 \div 5 = 8$ $5 \times 8 = 40$	$36 \div 9 = 4$ $9 \times 9 = 36$	$16 \div 4 = 4$ $4 \times 4 = 16$	$81 \div 9 = 9$ $9 \times 9 = 81$
$24 \div 4 = 6$ $4 \times 6 = 24$	$63 \div 7 = 9$ $7 \times 9 = 63$	$64 \div 8 = 8$ $8 \times 8 = 64$	

Long Method of Division

Perform the following divisions, using this method :

Ans.

$\begin{array}{r} 7 \\ 4 \overline{) 28} \\ \underline{- 28} \\ 0 \end{array}$	$\begin{array}{r} 6 \\ 4 \overline{) 24} \\ \underline{- 24} \\ 0 \end{array}$	$\begin{array}{r} 9 \\ 4 \overline{) 36} \\ \underline{- 36} \\ 0 \end{array}$	$\begin{array}{r} 7 \\ 6 \overline{) 42} \\ \underline{- 42} \\ 0 \end{array}$	$\begin{array}{r} 7 \\ 3 \overline{) 21} \\ \underline{- 21} \\ 0 \end{array}$	$\begin{array}{r} 5 \\ 5 \overline{) 35} \\ \underline{- 35} \\ 0 \end{array}$	$\begin{array}{r} 9 \\ 3 \overline{) 27} \\ \underline{- 27} \\ 0 \end{array}$
$\begin{array}{r} 9 \\ 6 \overline{) 54} \\ \underline{- 54} \\ 0 \end{array}$	$\begin{array}{r} 5 \\ 3 \overline{) 15} \\ \underline{- 15} \\ 0 \end{array}$	$\begin{array}{r} 9 \\ 5 \overline{) 45} \\ \underline{- 45} \\ 0 \end{array}$	$\begin{array}{r} 5 \\ 4 \overline{) 20} \\ \underline{- 20} \\ 0 \end{array}$	$\begin{array}{r} 8 \\ 6 \overline{) 48} \\ \underline{- 48} \\ 0 \end{array}$		

Word Problems on Division

Ans.

$\begin{array}{r} 6 \\ 4 \overline{) 28} \\ \underline{- 28} \\ 0 \end{array}$ <p>Answer : There are 6 books in each packet.</p>	$\begin{array}{r} 4 \\ 5 \overline{) 20} \\ \underline{- 20} \\ 0 \end{array}$ <p>Answer : 4 candies will each child.</p>	$\begin{array}{r} 8 \\ 6 \overline{) 48} \\ \underline{- 48} \\ 0 \end{array}$ <p>Answer : There are 8 trays.</p>
$\begin{array}{r} 6 \\ 4 \overline{) 24} \\ \underline{- 24} \\ 0 \end{array}$ <p>Answer : Each girl get 6 metres ribbon.</p>	$\begin{array}{r} 8 \\ 3 \overline{) 24} \\ \underline{- 24} \\ 0 \end{array}$ <p>Answer : 1 chair cost ₹8.</p>	

Let's Review

Write two division facts for each multiplication fact.

$3 \times 7 = 21$ <div style="display: inline-block; vertical-align: middle;"> $\begin{array}{l} \rightarrow \\ \rightarrow \end{array}$ </div> $21 \div 3 = 7$ $21 \div 7 = 3$	$5 \times 9 = 45$ <div style="display: inline-block; vertical-align: middle;"> $\begin{array}{l} \rightarrow \\ \rightarrow \end{array}$ </div> $45 \div 5 = 9$ $45 \div 9 = 5$
---	---

$$6 \times 4 = 24 \begin{cases} \rightarrow 24 \div 4 = 6 \\ \rightarrow 24 \div 6 = 4 \end{cases}$$

$$4 \times 8 = 32 \begin{cases} \rightarrow 32 \div 4 = 8 \\ \rightarrow 32 \div 8 = 4 \end{cases}$$

Divide and write the quotient in the boxes.

Ans.

$$\begin{array}{r} 5 \overline{) 40} \quad (8) \\ - 40 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 6 \overline{) 54} \quad (9) \\ - 54 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 2 \overline{) 16} \quad (8) \\ - 16 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 5 \overline{) 40} \quad (8) \\ - 40 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 5 \overline{) 45} \quad (9) \\ - 45 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 6 \overline{) 42} \quad (7) \\ - 42 \\ \hline 0 \end{array}$$

Solve the following word problems.

Ans.

$$\begin{array}{r} 8 \overline{) 48} \quad (6) \\ - 48 \\ \hline 0 \end{array}$$

Answer : There are 6 toys in each box.

$$\begin{array}{r} 5 \overline{) 40} \quad (8) \\ - 40 \\ \hline 0 \end{array}$$

Answer : Cost of one chocolate ₹8.

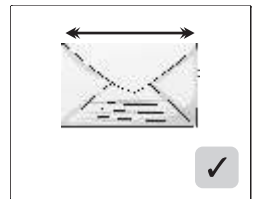
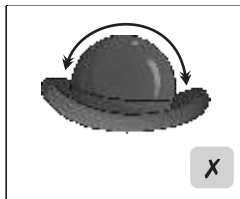
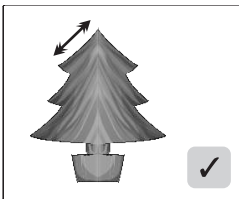
Unit Seven : Shapes



Curved lines and Straight lines

Tick (✓) the pictures with straight line and cross out (X) the pictures with curved lines.

Ans.



Plane Shapes

Identify the shape of the object and colour it.

Ans.

Plane Shapes

Match the following

Ans.

I am a shape made up of 3 straight lines and 3 corners.

I have no corners and sides.

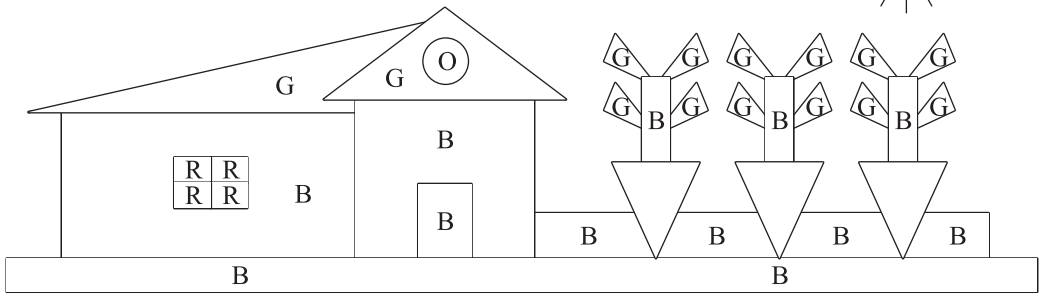
I have 4 sides of equal length.

I have four sides. Opposite sides are equal.

Colour the picture using colour code.

■ blue ■ red ● orange ▲ green

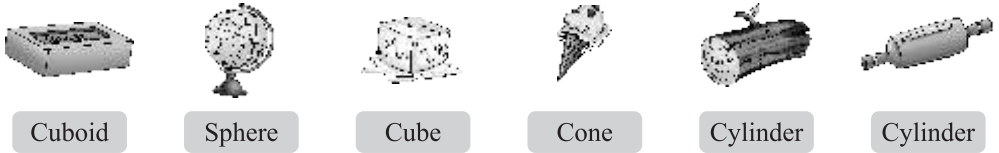
Ans.



Solid Shapes

Write the name of the shapes of each object :

Ans.


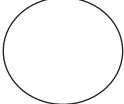

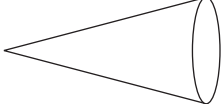




Rolling and Sliding

Try to push or pull the following objects and observe. Tick the right answer.

Ans.

Object	Geometrical Shape	
		<input checked="" type="checkbox"/> roll <input type="checkbox"/> slide <input type="checkbox"/> both

		<input checked="" type="checkbox"/> roll <input type="checkbox"/> slide <input type="checkbox"/> both
		<input type="checkbox"/> roll <input checked="" type="checkbox"/> slide <input type="checkbox"/> both
		<input type="checkbox"/> roll <input checked="" type="checkbox"/> slide <input type="checkbox"/> both

Let's Review

Name the following plane shapes.

Ans.



C I R C L E

S Q U A R E

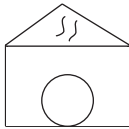
T R I A N G L E

Count the number of straight and curved lines.

Ans.

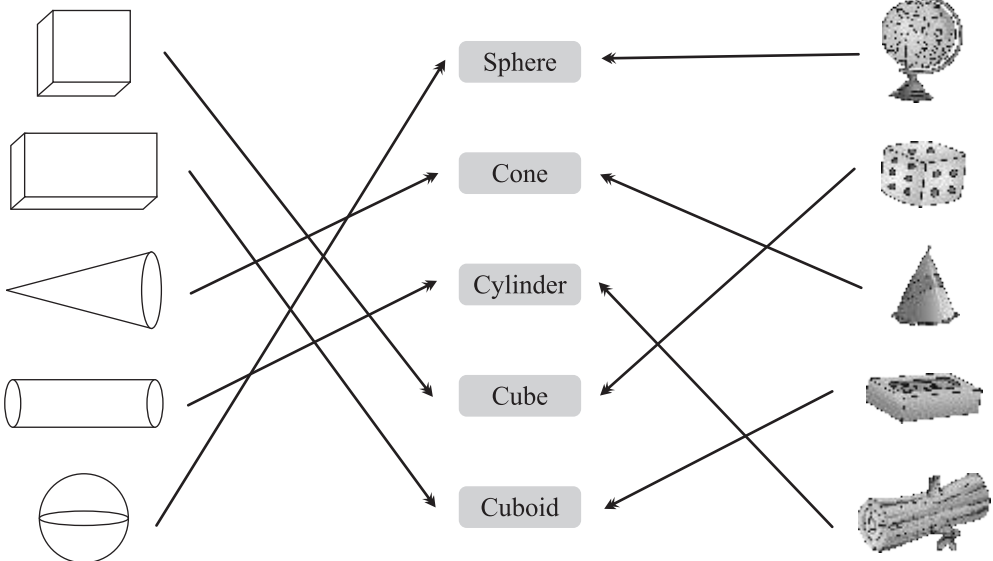
Straight lines 6

Curved lines 3



Match the following.

Ans.



Unit Eight : Time and Calender



Clock

Fill in the remaining numbers in the clock. Draw the hour hand at any number. Write the time in the box.

Ans.



3 : 00

Reading Time

Sure enough you can read the time yourself. Write what o'clock is it?

Ans.



The hour hand is at 3 .
The minute hand is at 12 .
It is 3 o'clock.



The hour hand is at 1 .
The minute hand is at 12 .
It is 1 o'clock.



The hour hand is at 8 .
The minute hand is at 12 .
It is 8 o'clock.

One hand is missing. Draw that.

Ans.



8 o'clock.
The hour hand is at 8 .



4 o'clock.
The hour hand is at 4 .



2 o'clock.
The hour hand is at 2 .

Reading Time

Write the time shown in the clocks below in two ways.

Ans.



8 : 00

8 o'clock



9 : 00

9 o'clock



3 : 00

3 o'clock



10 : 00

10 o'clock



4 : 00

4 o'clock



1 : 00

1 o'clock



11 : 00

11 o'clock



2 : 00

2 o'clock

Draw the position of the hour hand and the minute hand.

Ans.



5 o'clock

The hour hand is at 5 .
The minute hand is at 12 .



3 o'clock

The hour hand is at 3 .
The minute hand is at 12 .



9 o'clock

The hour hand is at 9 .
The minute hand is at 12 .

Time in Half Past the Hours

Write the time :

Ans.



Half past 6
6 : 30



Half past 7
7 : 30



Half past 10
10 : 30



Half past 2
2 : 30



Half past 12
12 : 30



Half past 4
4 : 30



Half past 1
1 : 30



Half past 11
11 : 30

Daily Routine

Match the following :

Ans.



I wake up at
6 o'clock in
the morning.





I have my breakfast at 7 o'clock.



I reach school at 8 o'clock.



I play home at 4 o'clock in the afternoon.



I go to bed at 9 o'clock at night.



Days of the Week

Fill in the blanks.

- Ans. a. There are 7 days in a week. b. **Tuesday** is the second day of the week.
 c. The last day of the week is **Sunday**.
 d. **Wednesday** is the day between Tuesday and Thursday.
 e. **Saturday** is the sixth day of the week.
 f. **Thursday** comes between Wednesday and Friday.

Answer the following :

- Ans. a. Tuesday b. Thursday c. Tuesday d. Tuesday e. Monday

Months of the Year

Complete the following sentences :

- Ans. a. There are **12** months in one year.
 b. **April** is the fourth month of the year.
 c. June is the **Sixth** month of the year.
 d. **February** is the month between January and March.
 e. **September** comes just after August.
 f. **October** is the month just before November.
 g. **July** is the seventh month of the year.
 h. **December** is the last month of the year.

Match the following.

Ans. June → Third
 May → First
 August → Fifth
 January → Fourth
 July → Ninth
 March → Sixth
 October → Eighth
 September → Second
 February → Seventh
 April → Tenth

Let's Review

Write the time shown by the clock.

Ans.



6 : 30



7 : 30



2 : 30

Draw the hour hand of the clock to show the given time.

Ans.



11 : 00



12 : 00



9 : 00

Fill in the blanks.

- Ans. a. **Friday** is fifth day of the week. b. February has **28** or **29** days.
 c. **12** months make one year. d. **Monday** comes just after Sunday.




Write the names of the months in order.


Ans. January, February, March, April, May, June, July, August, September, October, November, December.

Unit Nine : Money




Exchange of Money


- Ans. We need **1**  coins to make 1 rupee. We need **4**  coins to make 1 rupee.
 We need **5**  coins to make 1 rupee.


Ans. How many  notes can you get for ₹10? **10**

How many  notes can you get for ₹100? **5**

How many  notes can you get for ₹70? **14**

How many  notes can you get for ₹60? **6**

How many  notes can we exchange for ₹500? **10**

How many  notes can you exchange for ₹1000? **10**

Reading and Writing













Write in words. One is done for you.

- Ans.
- | | | | |
|----------|--|---------|----------------------------------|
| ₹ 9.75 | Nine rupees seventy-five paise | ₹ 7.20 | Seven rupees twenty-paise |
| ₹ 10.05 | Ten rupees five paise | ₹ 5.25 | Five rupees twenty-five paise |
| ₹ 25.15 | Twenty-five rupees fifteen paise | ₹ 16.35 | Sixteen rupees thirty-five paise |
| ₹ 250.50 | Two hundred fifty-rupees fifty paise | | |
| ₹ 105.90 | One hundred five rupees ninety-paise | | |
| ₹ 115.70 | One hundred fifteen rupees seventy paise | | |
| ₹ 85.95 | Eighty five rupees ninety five paise | | |
| ₹ 50.45 | Fifty rupees forty five paise | | |

Counting Money

Draw a line from each set of coins to their total amount.









Ans.

Counting Money









Circle the money you will use to pay for these items. One has been done for you.

Ans.

 ₹ 23	 ₹ 52	 ₹ 19
 ₹ 25	 ₹ 45	 ₹ 20
 ₹ 80	 ₹ 95	

Let's Review

Match the price tag with the correct amount of money.

Ans. a.		₹ 18	i.	
b.		₹ 26	ii.	
c.		₹ 85	iii.	
d.		₹ 31	iv.	

Who has more money? Tick (✓) the correct option.

Ans. b. Rojy has more money. (✓)

Unit Ten : Measurement



Measurement of Length using Non Standard Units

How long are these? Count and write.

Ans.



This pen is **8** erasers long.



This toothbrush in **3** erasers long.

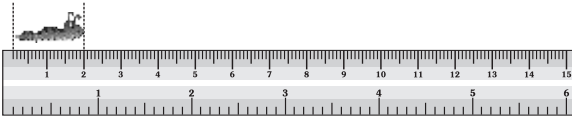
Measure the length using your body parts.

Ans. Do yourself.

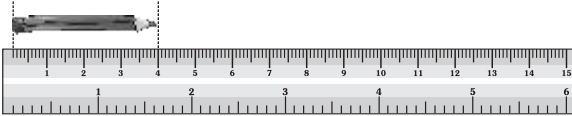
Measuring with a Scale

Write the length of the following.

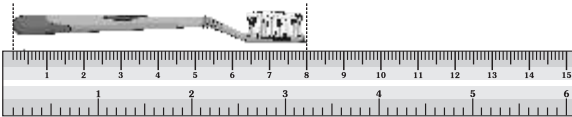
Ans.



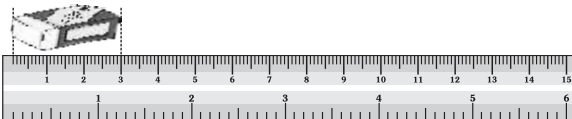
Caterpillar = 2 cm



Pencil = 4 cm



Toothbrush = 8 cm



Eraser = 3 cm

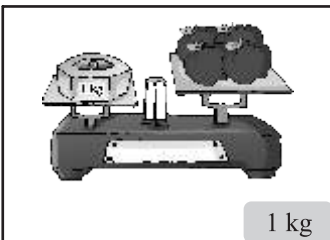
Draw the outline of your foot on a piece of paper and try to measure it with a centimetre scale.

Ans. Do yourself.

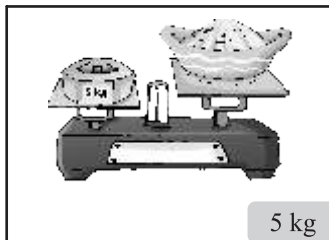
Measurement of Weight

Find the weight of the following items.

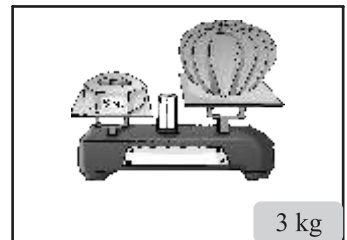
Ans.



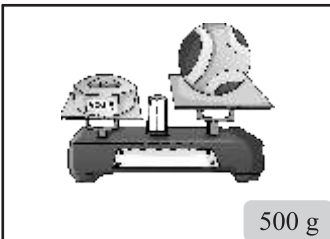
1 kg



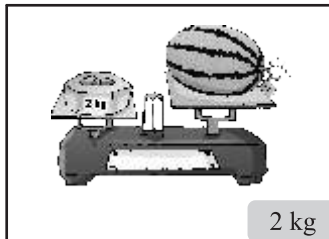
5 kg



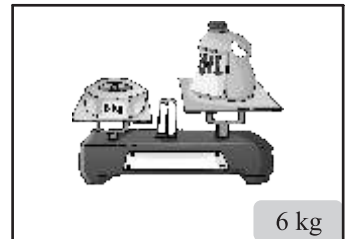
3 kg



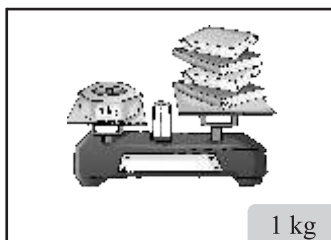
500 g



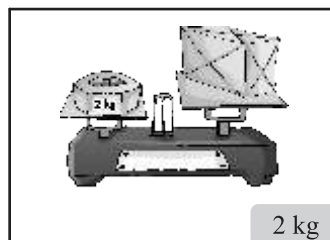
2 kg



6 kg



1 kg

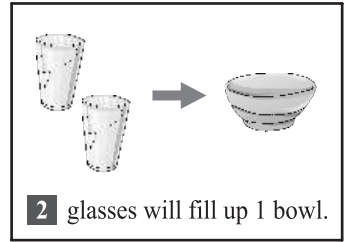
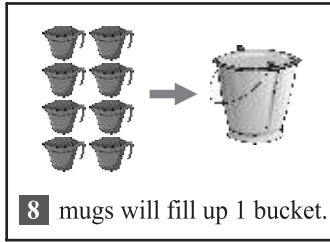
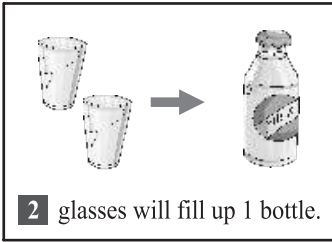
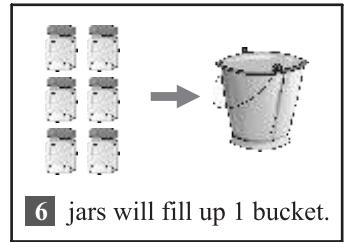
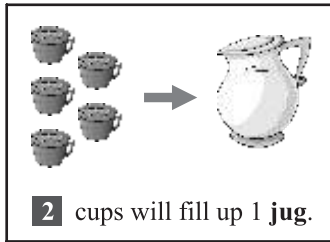
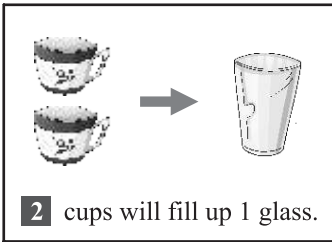


2 kg

Measurement of Capacity

Fill in the boxes :

Ans.



Let's Review

Circle the unit you will use to measure the following.

Ans. a.



ml / l

milk in the jar

b.



g / **kg**

weight of rice bag

c.



m / cm

height of the door

d.

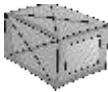


m / **km**

Distance between two cities

Circle the best estimate.

Ans. a.



10 m / 10cm

b.



10 ml / **10 l**

c.



1 cm / **1 m**

d.



3 g / **3 Kg**

Tick (✓) the correct option.

Ans. a. i. metre

b. iii. mg

c. i. Bucket



Patterns

Colour and complete the patterns.

Ans.

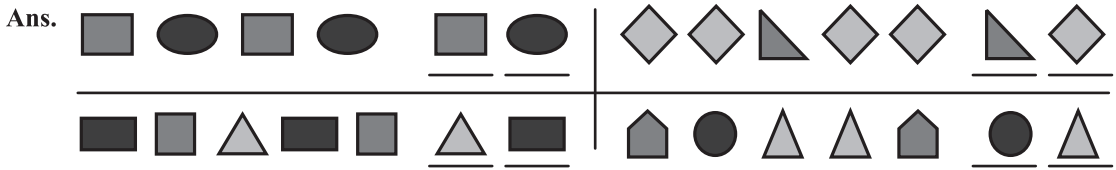
Patterns

Circle the object that comes next.

Ans.

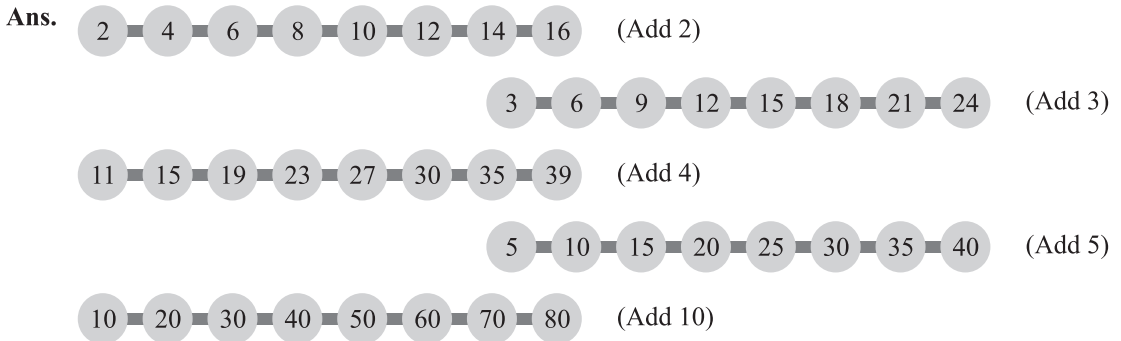
Geometrical Patterns

Draw and colour the next two shapes to complete the patterns :

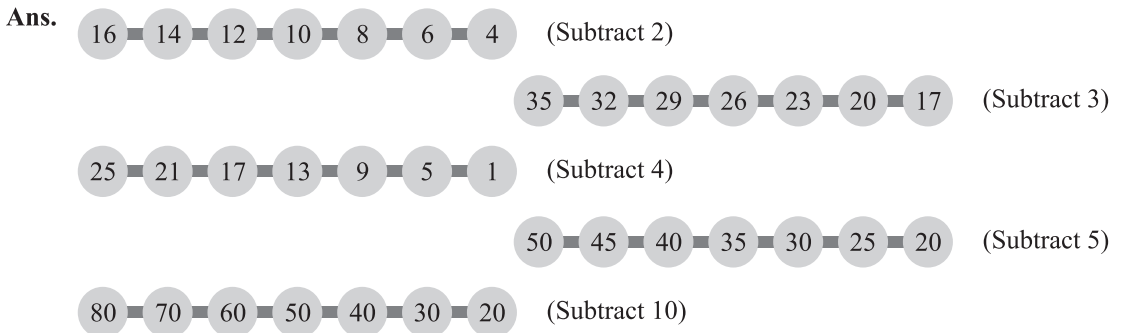


Number Patterns

Complete the number patterns in ascending order.

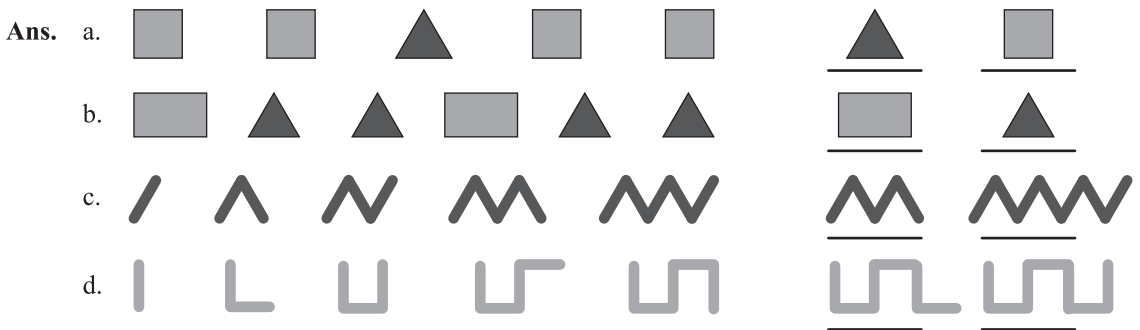


Complete the number patterns in descending order.



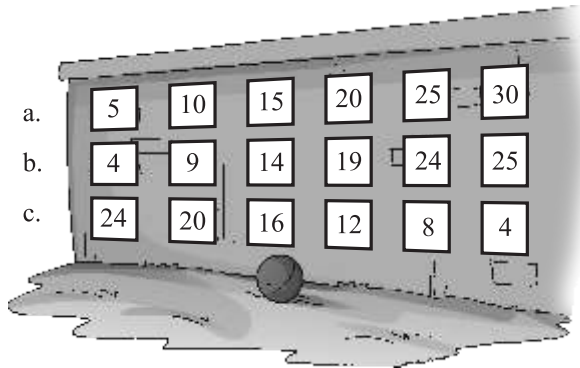
Let's Review

Complete the patterns given below :



Write what comes next.

Ans.



Unit Twelve : Data Handling



Data

Look at the answer draw from the above data.

Ans. a. $20 + 15 = 35$


b. $20 + 10 = 30$


c. $50 + 43 = 93$


Data Handling


Count and write the number of fruits of each type.

Ans.

Fruit	Number
	8

Fruit	Number
	3

Fruit	Number
	5

Fruit	Number
	2

Answer the following questions.

Ans. a. 8

b. 2

c. 4

d. Water melons

e. Apples

f. $8 + 3 + 5 + 2 = 18$

Hots

Ans. Fruits in the basket.

Apples = 5

Mangoes = 3

Oranges = 2




Data Handling

How many of each kind of flowers do you see?

Ans.

Flower					
Number	3	3	4	3	3

Mrs Rao is cleaning the fridge. Her son Vikram is helping her. Vikram has some fun. He draws a chart of the vegetables and fruits taken out of the fridge.

Ans. a.   

b. 9

c. 17

d. 8 (vegetables)

Data Handling

Count the number of letters in each word.

Ans.

Word	Number of Letters
SCHOOL	11
ELEPHANT	11
GRANDFATHER	11
MANGO	11
BOOK	11
DECEMBER	11
CAT	11

Ans. a. GRANDFATHER

b. CAT

c. 5

Project

Ans. Do yourself.

Let's Review

Use the chart to answer the following questions.

Ans. a. 5

b. 3

c. 4

d. 7

Find out how many students in your class have names beginning with.

Ans. Do yourself.