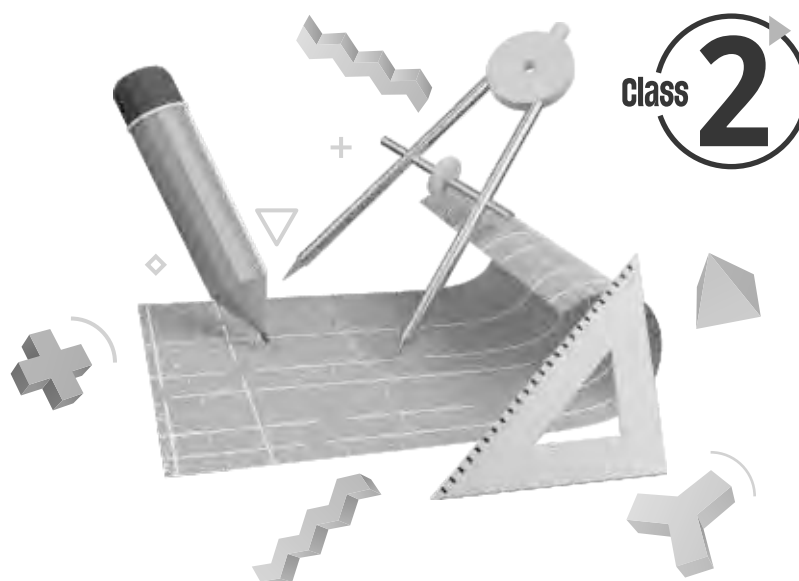




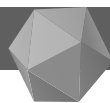
FOCUS Maths

A Complete Course in Mathematics

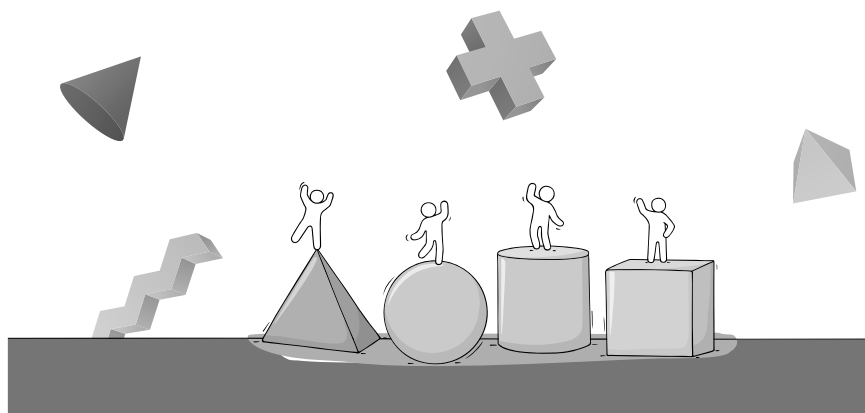
Solution Manual



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Looking Back



Numbers Up to 100

1. Complete the number chart :

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

2. Write the numerals for the following :

(a) Forty-three	43	(b) Thirty-seven	37
(c) Ninety-five	95	(d) Fifty-nine	59
(e) Sixty-two	62	(f) Seventy-one	71
(g) Eighty-eight	88	(h) Ninety-nine	99

3. Write the number names for the following :

(a) 31	Thirty One	(b) 62	Sixty Two
(c) 45	Forty Five	(d) 76	Seventy Six
(e) 58	Fifty Eight	(f) 87	Eighty Seven
(g) 99	Ninety Nine	(h) 100	Hundred

4. Write the numbers just before and just after the given numbers :

- (a) 28 29 30 (b) 61 62 63 (c) 18 19 20
 (d) 36 37 38 (e) 78 79 80 (f) 26 27 28
 (g) 39 40 41 (h) 79 80 81 (i) 38 39 40
 (j) 50 51 52 (k) 8 9 10 (l) 98 99 100

5. Write the number that comes between the given numbers :

- (a) 14 15 16 (b) 18 19 20 (c) 22 23 24
 (d) 49 50 51 (e) 50 51 52 (f) 38 39 40
 (g) 68 69 70 (h) 71 72 73 (i) 86 87 88
 (j) 79 80 81 (k) 83 84 85 (l) 98 99 100

6. Fill in the blanks by following the pattern :

11	13	15	17	19	21	23	25
20	22	24	26	28	30	32	34
56	55	54	53	52	51	50	49
20	30	40	50	60	70	80	90
5	10	15	20	25	30	35	40

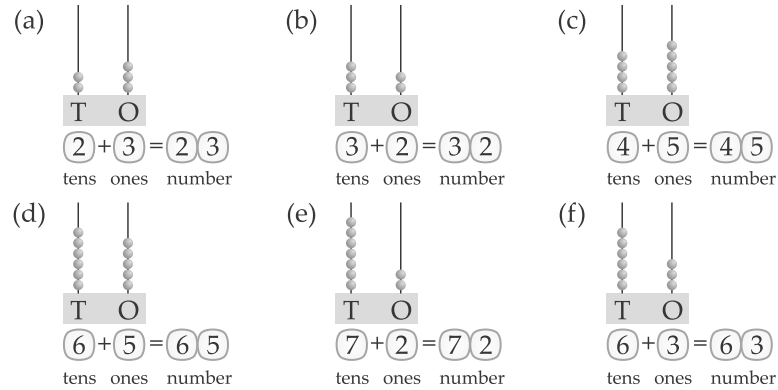
7. Write in the standard (short) form :

- (a) $40 + 3 =$ 43 (b) $30 + 6 =$ 36 (c) $80 + 9 =$ 89
 (d) $20 + 7 =$ 27 (e) $40 + 5 =$ 45 (f) $90 + 1 =$ 91
 (g) $80 + 4 =$ 84 (h) $70 + 7 =$ 77 (i) $30 + 2 =$ 32

8. Write in the expanded form (long form) :

- (a) 57 = 50 + 7 (b) 43 = 40 + 3 (c) 88 = 80 + 8
 (d) 69 = 60 + 9 (e) 89 = 80 + 9 (f) 16 = 10 + 6
 (g) 28 = 20 + 8 (h) 75 = 70 + 5 (i) 99 = 90 + 9

9. Write the numbers shown on the abacus :



Comparing Numbers

1. Fill in the blanks with the symbol '>' or '<' or '=' :

- (a) 47 < 74 (b) 12 < 21 (c) 50 < 60 (d) 55 > 44
 (e) 34 < 43 (f) 36 < 63 (g) 74 = 74 (h) 66 < 77
 (i) 67 < 76 (j) 33 = 33 (k) 33 < 66 (l) 95 < 96
 (m) 87 > 78 (n) 44 = 44 (o) 45 < 54 (p) 42 > 24

2. Write the smallest number :

- (a) 21, 12, 11, 13, 11 (b) 34, 43, 23, 32, 23
 (c) 21, 23, 31, 14, 14 (d) 82, 28, 38, 48, 28
 (e) 97, 79, 77, 87, 77 (f) 39, 38, 83, 30, 30

3. Write the largest number :

- (a) 12, 21, 31, 13, 31 (b) 86, 76, 36, 96, 96
 (c) 42, 24, 43, 34, 43 (d) 67, 76, 96, 69, 96
 (e) 66, 77, 88, 98, 98 (f) 45, 54, 85, 58, 85

Order

1. Write the following numbers in ascending order :

(Ascending order is, from the smallest to the largest.)

- (a) 45 44 55 54 50 44 45 50 54 55

- (b)

13	12	21	19	23
----	----	----	----	----

12	13	19	21	23
----	----	----	----	----
- (c)

36	33	66	63	68
----	----	----	----	----

33	36	63	66	68
----	----	----	----	----
- (d)

77	66	55	56	65
----	----	----	----	----

55	56	65	66	77
----	----	----	----	----

2. Write the following numbers in descending order :
(Descending order is, from the largest to the smallest.)

- (a)

44	45	56	54	65
----	----	----	----	----

65	56	54	45	44
----	----	----	----	----
- (b)

19	91	71	81	51
----	----	----	----	----

91	81	71	51	19
----	----	----	----	----
- (c)

34	44	43	42	33
----	----	----	----	----

44	43	42	34	33
----	----	----	----	----
- (d)

89	99	98	88	90
----	----	----	----	----

99	98	90	89	88
----	----	----	----	----

3. Fill in the blanks :

(Ordinal Number tell us about order or position.)

- (a) **A** is the **first** letter of English alphabets and **D** is the **fourth** letter.
 (b) **F** is the **sixth** letter of alphabets and **H** is the **eighth** letter.
 (c) In a week, **Monday** is the **first** day and **Tuesday** is **second** day.
 (d) **Thursday** is the **fourth** day and Saturday is **sixth** day.
 (e) **May** is **fifth** month of the year and **July** is **seventh** month.
 (f) **March** is **third** month of the year and **October** is **tenth** month.

Addition

1. Add the followings :

- (a)

T	O
7	
+ 9	
16	
- (b)

T	O
9	
+ 8	
17	
- (c)

T	O
1	2
+ 4	
1	6
- (d)

T	O
3	3
+ 6	
3	9
- (e)

T	O
3	
+ 6	4
6	7
- (f)

T	O
5	
+ 7	2
7	7
- (g)

T	O
2	1
+ 7	
2	8
- (h)

T	O
7	
+ 2	2
2	9
- (i)

T	O
8	
+ 3	1
3	9
- (j)

T	O
9	
+ 4	0
4	9

2. Add the followings :

- (a)

T	O
4	5
+ 2	3
6	8
- (b)

T	O
2	4
+ 7	5
9	9
- (c)

T	O
5	1
+ 3	8
8	9
- (d)

T	O
6	3
+ 3	6
9	9

(e)	$\begin{array}{r} \text{T O} \\ 86 \\ + 10 \\ \hline 96 \end{array}$	(f)	$\begin{array}{r} \text{T O} \\ 79 \\ + 20 \\ \hline 99 \end{array}$	(g)	$\begin{array}{r} \text{T O} \\ 78 \\ + 11 \\ \hline 89 \end{array}$	(h)	$\begin{array}{r} \text{T O} \\ 29 \\ + 60 \\ \hline 89 \end{array}$
(i)	$\begin{array}{r} \text{T O} \\ 54 \\ + 45 \\ \hline 99 \end{array}$	(j)	$\begin{array}{r} \text{T O} \\ 26 \\ + 62 \\ \hline 88 \end{array}$	(k)	$\begin{array}{r} \text{T O} \\ 43 \\ + 34 \\ \hline 77 \end{array}$	(l)	$\begin{array}{r} \text{T O} \\ 27 \\ + 72 \\ \hline 99 \end{array}$

Subtraction

1. Subtract the followings :

(a)	$\begin{array}{r} \text{T O} \\ 9 \\ - 4 \\ \hline 5 \end{array}$	(b)	$\begin{array}{r} \text{T O} \\ 5 \\ - 3 \\ \hline 2 \end{array}$	(c)	$\begin{array}{r} \text{T O} \\ 6 \\ - 4 \\ \hline 2 \end{array}$	(d)	$\begin{array}{r} \text{T O} \\ 3 \\ - 3 \\ \hline 0 \end{array}$
(e)	$\begin{array}{r} \text{T O} \\ 5 \\ - 0 \\ \hline 5 \end{array}$	(f)	$\begin{array}{r} \text{T O} \\ 36 \\ - 6 \\ \hline 30 \end{array}$	(g)	$\begin{array}{r} \text{T O} \\ 29 \\ - 8 \\ \hline 21 \end{array}$	(h)	$\begin{array}{r} \text{T O} \\ 18 \\ - 5 \\ \hline 13 \end{array}$

2. Subtract the followings :

(a)	$\begin{array}{r} \text{T O} \\ 42 \\ - 21 \\ \hline 21 \end{array}$	(b)	$\begin{array}{r} \text{T O} \\ 63 \\ - 32 \\ \hline 31 \end{array}$	(c)	$\begin{array}{r} \text{T O} \\ 86 \\ - 64 \\ \hline 22 \end{array}$	(d)	$\begin{array}{r} \text{T O} \\ 55 \\ - 22 \\ \hline 33 \end{array}$
(e)	$\begin{array}{r} \text{T O} \\ 60 \\ - 40 \\ \hline 20 \end{array}$	(f)	$\begin{array}{r} \text{T O} \\ 98 \\ - 54 \\ \hline 44 \end{array}$	(g)	$\begin{array}{r} \text{T O} \\ 70 \\ - 50 \\ \hline 20 \end{array}$	(h)	$\begin{array}{r} \text{T O} \\ 66 \\ - 33 \\ \hline 33 \end{array}$
(i)	$\begin{array}{r} \text{T O} \\ 65 \\ - 43 \\ \hline 22 \end{array}$	(j)	$\begin{array}{r} \text{T O} \\ 79 \\ - 18 \\ \hline 61 \end{array}$	(k)	$\begin{array}{r} \text{T O} \\ 86 \\ - 75 \\ \hline 11 \end{array}$	(l)	$\begin{array}{r} \text{T O} \\ 83 \\ - 53 \\ \hline 30 \end{array}$

Place Value

▪ Write place value of digits in given numbers :

- (a) The place value of 7 in 75 is 70 .
The place value of 5 in 75 is 5 .

- (b) The place value of 9 in 89 is **9** .
The place value of 8 in 89 is **80** .
- (c) The place value of 6 in 62 is **60** .
The place value of 2 in 62 is **2** .
- (d) The place value of 5 in 59 is **50** .
The place value of 9 in 59 is **9** .
- (e) The place value of 1 in 91 is **1** .
The place value of 9 in 91 is **90** .
- (f) The place value of 4 in 43 is **40** .
The place value of 3 in 43 is **3** .
- (g) The place value of 0 in 30 is **0** .
The place value of 3 in 30 is **30** .

Addition with Carrying

- Add the followings :

(a) $\begin{array}{r} \text{T O} \\ \text{1} \\ 66 \\ + 37 \\ \hline 103 \end{array}$	(b) $\begin{array}{r} \text{T O} \\ \text{1} \\ 83 \\ + 18 \\ \hline 101 \end{array}$	(c) $\begin{array}{r} \text{T O} \\ \text{1} \\ 37 \\ + 24 \\ \hline 61 \end{array}$	(d) $\begin{array}{r} \text{T O} \\ \text{1} \\ 45 \\ + 36 \\ \hline 81 \end{array}$
(e) $\begin{array}{r} \text{T O} \\ \text{1} \\ 36 \\ + 46 \\ \hline 82 \end{array}$	(f) $\begin{array}{r} \text{T O} \\ \text{1} \\ 47 \\ + 37 \\ \hline 84 \end{array}$	(g) $\begin{array}{r} \text{T O} \\ \text{1} \\ 28 \\ + 28 \\ \hline 56 \end{array}$	(h) $\begin{array}{r} \text{T O} \\ \text{1} \\ 35 \\ + 35 \\ \hline 70 \end{array}$
(i) $\begin{array}{r} \text{T O} \\ \text{1} \\ 28 \\ + 72 \\ \hline 100 \end{array}$	(j) $\begin{array}{r} \text{T O} \\ \text{1} \\ 28 \\ + 33 \\ \hline 61 \end{array}$	(k) $\begin{array}{r} \text{T O} \\ \text{1} \\ 45 \\ + 45 \\ \hline 90 \end{array}$	(l) $\begin{array}{r} \text{T O} \\ \text{1} \\ 29 \\ + 39 \\ \hline 68 \end{array}$

Subtraction with Borrowing

- Subtract the followings :

(a) $\begin{array}{r} \text{T O} \\ \text{1 15} \\ 25 \\ - 6 \\ \hline 19 \end{array}$	(b) $\begin{array}{r} \text{T O} \\ \text{0 15} \\ 15 \\ - 9 \\ \hline 6 \end{array}$	(c) $\begin{array}{r} \text{T O} \\ \text{1 12} \\ 22 \\ - 15 \\ \hline 07 \end{array}$	(d) $\begin{array}{r} \text{T O} \\ \text{3 16} \\ 46 \\ - 17 \\ \hline 29 \end{array}$
--	---	---	---

(e)

	T	O
	2	13
3	3	
-	2	8
	0	5

(f)

	T	O
	3	15
4	5	
-	1	7
	2	8

(g)

	T	O
	5	18
6	8	
-	4	9
	1	9

(h)

	T	O
	7	14
8	4	
-	5	8
	2	6

(i)

	T	O
	7	13
3	3	
-	2	8
	0	5

(j)

	T	O
	5	12
6	2	
-	2	6
	3	6

(k)

	T	O
	4	14
5	4	
-	4	5
	0	9

(l)

	T	O
	5	16
6	6	
-	2	7
	3	9



Numbers From 101 to 1000



3-digit Numbers

1. Write 101 to 200 :

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

2. Write 201 to 300 :

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

3. Write 301 to 400 :

301	311	321	331	341	351	361	371	381	391
302	312	322	332	342	352	362	372	382	392
303	313	323	333	343	353	363	373	383	393
304	314	324	334	344	354	364	374	384	394
305	315	325	335	345	355	365	375	385	395
306	316	326	336	346	356	366	376	386	396
307	317	327	337	347	357	367	377	387	397
308	318	328	338	348	358	368	378	388	398
309	319	329	339	349	359	369	379	389	399
310	320	330	340	350	360	370	380	390	400

4. Write 401 to 500 :

401	411	421	431	441	451	461	471	481	491
402	412	422	432	442	452	462	472	482	492
403	413	423	433	443	453	463	473	483	493
404	414	424	434	444	454	464	474	484	494
405	415	425	435	445	455	465	475	485	495
406	416	426	436	446	456	466	476	486	496
407	417	427	437	447	457	467	477	487	497
408	418	428	438	448	458	468	478	488	498
409	419	429	439	449	459	469	479	489	499
410	420	430	440	450	460	470	480	490	500

5. Write the number names :

- (a) 207 Two hundred seven (b) 269 Two hundred sixty nine
(c) 219 Two hundred nineteen (d) 328 Three hundred twenty eight

6. Write 501 to 600 :

501	511	521	531	541	551	561	571	581	591
502	512	522	532	542	552	562	572	582	592
503	513	523	533	543	553	563	573	583	593
504	514	524	534	544	554	564	574	584	594
505	515	525	535	545	555	565	575	585	595
506	516	526	536	546	556	566	576	586	596
507	517	527	537	547	557	567	577	587	597
508	518	528	538	548	558	568	578	588	598
509	519	529	539	549	559	569	579	589	599
510	520	530	540	550	560	570	580	590	600

7. Write 601 to 700 :

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

8. Write the number names :

- (a) 519 Five hundred nineteen (b) 639 Six hundred thirty nine
(c) 608 Six hundred eight (d) 700 Seven hundred

9. Write 701 to 800 :

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

10. Write 801 to 900 :

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

11. Write the number names :

- (a) 711 Seven hundred eleven (b) 786 Seven hundred eighty six
(c) 869 Eight hundred sixty nine (d) 790 Seven hundred ninety

12. Write 901 to 1000 :

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

13. Fill in blank boxes :

126	127	128	129	130	131	132	133	134	135	136
282	283	284	285	286	287	288	289	290	291	292
333	335	337	339	341	343	345	347	349	351	353
460	462	464	466	468	470	472	474	476	478	480
550	560	570	580	590	600	610	620	630	640	650
690	695	700	705	710	715	720	725	730	735	740
837	836	835	834	833	832	831	830	829	828	827
980	970	960	950	940	930	920	910	900	890	880
504	514	524	534	544	554	564	574	584	594	604

Face Value and Place Value

Write the face value and place value of circled digits :

(a)	1	2	③	face value	3	place value	3
(b)	④	4	8	face value	4	place value	400
(c)	7	⑧	2	face value	8	place value	80
(d)	⑧	0	3	face value	8	place value	800
(e)	9	8	⑨	face value	9	place value	9
(f)	③	3	5	face value	3	place value	300
(g)	2	⑤	3	face value	5	place value	50
(h)	3	⑨	0	face value	9	place value	90
(i)	⑤	0	0	face value	5	place value	500
(j)	9	3	④	face value	4	place value	4

Expanded (Long) Form and Standard (Short) Form

1. Write in expanded (long) form :

(a) 176 =	100 + 70 + 6	(b) 285 =	200 + 80 + 5
-----------	--------------	-----------	--------------

(c) 738 =	700 + 30 + 8	(d) 923 =	900 + 20 + 3
(e) 844 =	800 + 40 + 4	(f) 780 =	700 + 80 + 0
(g) 550 =	500 + 50 + 0	(h) 666 =	600 + 60 + 6
(i) 389 =	300 + 80 + 9	(j) 899 =	800 + 90 + 9

2. Write in standard (short) form :

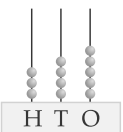
(a) 300 + 40 + 6 =	346	(b) 400 + 20 + 9 =	429
(c) 700 + 00 + 8 =	708	(d) 800 + 80 + 8 =	888
(e) 500 + 40 + 7 =	547	(f) 300 + 80 + 2 =	382
(g) 400 + 50 + 5 =	455	(h) 600 + 40 + 0 =	640
(i) 200 + 30 + 4 =	234	(j) 900 + 70 + 5 =	975

3. Fill in the blanks :

(a) 168 =	1	H	+	6	T	+	8	O	=	100	+	60	+	8
(b) 237 =	2	H	+	3	T	+	7	O	=	200	+	30	+	7
(c) 453 =	4	H	+	5	T	+	3	O	=	400	+	50	+	3
(d) 682 =	6	H	+	8	T	+	2	O	=	600	+	80	+	2
(e) 590 =	5	H	+	9	T	+	0	O	=	500	+	90	+	0
(f) 999 =	9	H	+	9	T	+	9	O	=	900	+	90	+	9
(g) 804 =	8	H	+	0	T	+	4	O	=	800	+	0	+	4
(h) 500 =	5	H	+	0	T	+	0	O	=	500	+	0	+	0
(i) 284 =	2	H	+	8	T	+	4	O	=	200	+	80	+	4
(j) 782 =	7	H	+	8	T	+	2	O	=	700	+	80	+	2

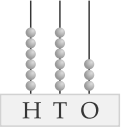
4. Fill in the blanks :

(a)

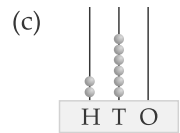


3 Hundreds + 4 tens + 5 ones = 345

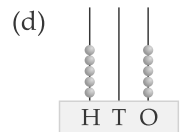
(b)



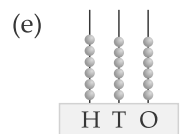
6 Hundreds + 6 tens + 3 ones = 663



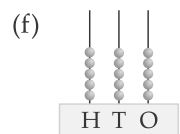
$$2 \text{ Hundreds} + 6 \text{ tens} + 0 \text{ ones} = 260$$



$$5 \text{ Hundreds} + 0 \text{ tens} + 5 \text{ ones} = 505$$



$$6 \text{ Hundreds} + 6 \text{ tens} + 6 \text{ ones} = 666$$



$$5 \text{ Hundreds} + 5 \text{ tens} + 5 \text{ ones} = 555$$

Before, After and Between

1. Write the number which comes just before the given number :

- (a) 279 280 (b) 370 371 (c) 494 495 (d) 608 609
 (e) 809 810 (f) 829 830 (g) 726 727 (h) 355 356

2. Write the number which comes just after the given number :

- (a) 339 340 (b) 666 667 (c) 450 451 (d) 219 220
 (e) 777 778 (f) 589 590 (g) 901 902 (h) 999 1000

3. Write what comes in between the given numbers?

- (a) 456 457 458 (b) 328 329 330 (c) 470 471 472
 (d) 444 445 446 (e) 199 200 201 (f) 500 501 502

4. Write what comes just before and after?

- (a) 439 ← 440 → 441 (b) 860 ← 861 → 862 (c) 378 ← 379 → 380
 (d) 588 ← 589 → 590 (e) 101 ← 102 → 103 (f) 998 ← 999 → 1000

Comparing Numbers

Write '>', '<' or '=' :

- (a) 210 < 211 (b) 316 > 306 (c) 276 < 376
 (d) 589 < 598 (e) 636 < 639 (f) 789 < 798
 (g) 465 = 465 (h) 398 > 389 (i) 999 > 990
 (j) 580 > 508 (k) 500 > 400 (l) 900 = 900
 (m) 309 < 390 (n) 343 = 343 (o) 586 > 568

Ordering of Numbers

1. Write smallest and largest in the boxes :

- (a) 306, 603, 930, 903, 906 ➡ Smallest Largest
 (b) 480, 408, 804, 840, 84 ➡ Smallest Largest
 (c) 500, 100, 400, 300, 200 ➡ Smallest Largest
 (d) 986, 896, 689, 869, 968 ➡ Smallest Largest

2. Write in ascending order :

- (a) 462, 637, 275, 529, 540
 (b) 420, 204, 402, 240, 404
 (c) 231, 357, 405, 683, 594
 (d) 524, 452, 245, 654, 445

3. Write in descending order :

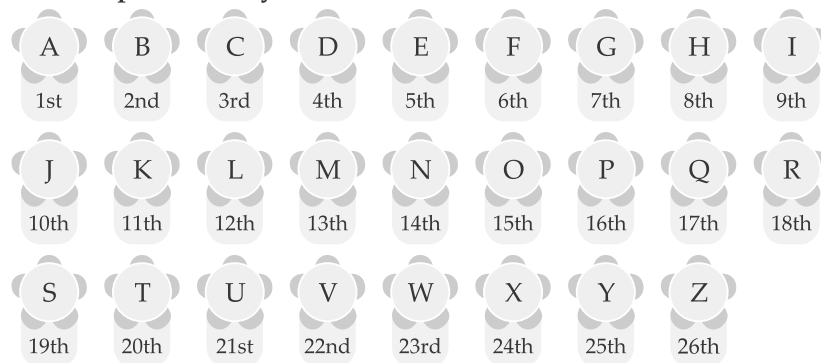
- (a) 387, 378, 337, 377, 373
 (b) 320, 230, 430, 220, 330
 (c) 510, 472, 805, 380, 279
 (d) 297, 510, 477, 603, 308

Ordinal and Cardinal Number

1. Write the position (order) from race :

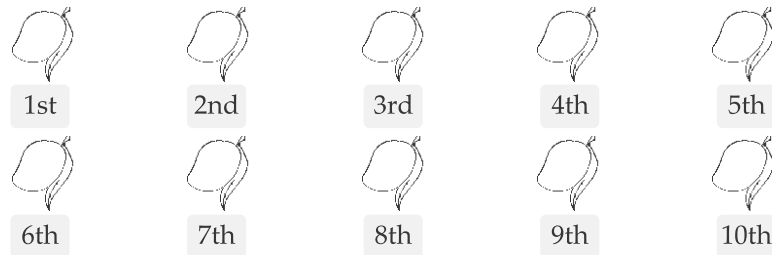
- Amit is at **first** position and Naresh is at **fifth** position.
- Vipin is at **second** position and Rakesh is at **sixth** position.
- Mahesh is at **fourth** position and Harsh is at **seventh** position.
- Suraj is at **third** position and Kamal is at **eighth** position.

2. Write all the letters of the English alphabet in the given space and say at which position they lie :



3. Write the positions (in ordinal number) below each mango. Then, do as instructed :

- Colour the 3rd, 5th and 7th mango yellow.
- Colour the 6th, 9th and 10th mango green.



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Ans. $242 + 7 = 249$
Face value = 9



Addition



Addition of Two 3-digit Numbers

■ Add the following :

(a)
$$\begin{array}{r} \text{H T O} \\ 234 \\ + 432 \\ \hline 666 \end{array}$$

(b)
$$\begin{array}{r} \text{H T O} \\ 851 \\ + 48 \\ \hline 899 \end{array}$$

(c)
$$\begin{array}{r} \text{H T O} \\ 200 \\ + 718 \\ \hline 918 \end{array}$$

(d)
$$\begin{array}{r} \text{H T O} \\ 352 \\ + 407 \\ \hline 759 \end{array}$$

(e)
$$\begin{array}{r} \text{H T O} \\ 823 \\ + 65 \\ \hline 888 \end{array}$$

(f)
$$\begin{array}{r} \text{H T O} \\ 526 \\ + 72 \\ \hline 598 \end{array}$$

(g)
$$\begin{array}{r} \text{H T O} \\ 820 \\ + 167 \\ \hline 987 \end{array}$$

(h)
$$\begin{array}{r} \text{H T O} \\ 360 \\ + 438 \\ \hline 798 \end{array}$$

(i)
$$\begin{array}{r} \text{H T O} \\ 560 \\ + 213 \\ \hline 773 \end{array}$$

(j)
$$\begin{array}{r} \text{H T O} \\ 308 \\ + 201 \\ \hline 509 \end{array}$$

(k)
$$\begin{array}{r} \text{H T O} \\ 351 \\ + 508 \\ \hline 859 \end{array}$$

(l)
$$\begin{array}{r} \text{H T O} \\ 245 \\ + 432 \\ \hline 677 \end{array}$$

(m)
$$\begin{array}{r} \text{H T O} \\ 425 \\ + 560 \\ \hline 985 \end{array}$$

(n)
$$\begin{array}{r} \text{H T O} \\ 344 \\ + 655 \\ \hline 999 \end{array}$$

(o)
$$\begin{array}{r} \text{H T O} \\ 489 \\ + 510 \\ \hline 999 \end{array}$$

(p)
$$\begin{array}{r} \text{H T O} \\ 372 \\ + 427 \\ \hline 799 \end{array}$$

Addition with Carrying

■ Add the following :

(a)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 328 \\ + 437 \\ \hline 765 \end{array}$$

(b)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 416 \\ + 337 \\ \hline 753 \end{array}$$

(c)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 545 \\ + 138 \\ \hline 683 \end{array}$$

(d)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 305 \\ + 405 \\ \hline 710 \end{array}$$

(e)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 719 \\ + 102 \\ \hline 821 \end{array}$$

(f)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 127 \\ + 564 \\ \hline 691 \end{array}$$

(g)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 406 \\ + 505 \\ \hline 911 \end{array}$$

(h)
$$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 105 \\ + 415 \\ \hline 520 \end{array}$$

(i)
$$\begin{array}{r} \text{H T O} \\ \text{①} \\ 323 \\ + 109 \\ \hline 432 \end{array}$$

(j)
$$\begin{array}{r} \text{H T O} \\ \text{①} \\ 709 \\ + 238 \\ \hline 947 \end{array}$$

(k)
$$\begin{array}{r} \text{H T O} \\ \text{①} \\ 514 \\ + 256 \\ \hline 770 \end{array}$$

(l)
$$\begin{array}{r} \text{H T O} \\ \text{①} \\ 387 \\ + 407 \\ \hline 794 \end{array}$$

▪ Add the following :

(a)
$$\begin{array}{r} \text{H T O} \\ \text{①} \\ 147 \\ + 281 \\ \hline 428 \end{array}$$

(b)
$$\begin{array}{r} \text{H T O} \\ \text{①} \\ 555 \\ + 251 \\ \hline 806 \end{array}$$

(c)
$$\begin{array}{r} \text{H T O} \\ \text{①} \\ 370 \\ + 570 \\ \hline 940 \end{array}$$

(d)
$$\begin{array}{r} \text{H T O} \\ \text{①} \\ 182 \\ + 282 \\ \hline 464 \end{array}$$

(e)
$$\begin{array}{r} \text{H T O} \\ \text{①} \\ 544 \\ + 164 \\ \hline 708 \end{array}$$

(f)
$$\begin{array}{r} \text{H T O} \\ \text{①} \\ 281 \\ + 666 \\ \hline 947 \end{array}$$

(g)
$$\begin{array}{r} \text{H T O} \\ \text{①} \\ 123 \\ + 183 \\ \hline 306 \end{array}$$

(h)
$$\begin{array}{r} \text{H T O} \\ \text{①} \\ 454 \\ + 391 \\ \hline 845 \end{array}$$

(i)
$$\begin{array}{r} \text{H T O} \\ \text{①} \\ 399 \\ + 490 \\ \hline 889 \end{array}$$

(j)
$$\begin{array}{r} \text{H T O} \\ \text{①} \\ 628 \\ + 181 \\ \hline 809 \end{array}$$

(k)
$$\begin{array}{r} \text{H T O} \\ \text{①} \\ 334 \\ + 172 \\ \hline 506 \end{array}$$

(l)
$$\begin{array}{r} \text{H T O} \\ \text{①} \\ 725 \\ + 193 \\ \hline 918 \end{array}$$

▪ Add the following :

(a)
$$\begin{array}{r} \text{H T O} \\ \text{① ①} \\ 456 \\ + 367 \\ \hline 823 \end{array}$$

(b)
$$\begin{array}{r} \text{H T O} \\ \text{① ①} \\ 567 \\ + 343 \\ \hline 910 \end{array}$$

(c)
$$\begin{array}{r} \text{H T O} \\ \text{① ①} \\ 128 \\ + 493 \\ \hline 621 \end{array}$$

(d)
$$\begin{array}{r} \text{H T O} \\ \text{① ①} \\ 222 \\ + 678 \\ \hline 900 \end{array}$$

(e)
$$\begin{array}{r} \text{H T O} \\ \text{① ①} \\ 369 \\ + 231 \\ \hline 600 \end{array}$$

(f)
$$\begin{array}{r} \text{H T O} \\ \text{① ①} \\ 678 \\ + 159 \\ \hline 837 \end{array}$$

(g)
$$\begin{array}{r} \text{H T O} \\ \text{① ①} \\ 356 \\ + 278 \\ \hline 634 \end{array}$$

(h)
$$\begin{array}{r} \text{H T O} \\ \text{① ①} \\ 575 \\ + 286 \\ \hline 861 \end{array}$$

(i)
$$\begin{array}{r} \text{H T O} \\ \text{① ①} \\ 583 \\ + 287 \\ \hline 870 \end{array}$$

(j)
$$\begin{array}{r} \text{H T O} \\ \text{① ①} \\ 466 \\ + 356 \\ \hline 822 \end{array}$$

(k)
$$\begin{array}{r} \text{H T O} \\ \text{① ①} \\ 555 \\ + 155 \\ \hline 710 \end{array}$$

(l)
$$\begin{array}{r} \text{H T O} \\ \text{① ①} \\ 377 \\ + 488 \\ \hline 865 \end{array}$$

Word Problems (Addition)

1. There are 230 red roses in a row and 340 pink roses in another row of a park. How many total roses are there in the park?



H	T	O
2	3	0
+	3	4
5	7	0

570 Roses

2. A shopkeeper has 538 books. He got 361 new books. How many books he has now?



H	T	O
5	3	8
+	3	6
8	9	9

899 Books

3. A fruit vendor sold 283 apples and 303 mangoes on a day. How many total fruits did he sell on the day?



H	T	O
2	8	3
+	3	0
5	8	6

586 Fruits

4. In a school, there are 536 students in morning classes and 352 students in evening classes. How many total students are there in the school?



H	T	O
5	3	6
+	3	5
8	8	8

888 Students

5. There are 456 boys and 321 girls in a school. How many chairs are needed for them?



H	T	O
4	5	6
+	3	2
7	7	7

777 Chairs

6. There are 347 houses on one side of a road and 358 houses on the other side. How many houses are there along the road?



H	T	O
3	4	7
+	3	5
7	0	5

705 Houses

7. Amit went to school on 193 days. Riya went to school on 17 more days than Amit. On how many days did Riya go to school?



H	T	O
1	9	3
+	1	7
2	1	0

210 Days

8. A book shop has 147 comic books and 153 story books. How many books in all are there in the shop?



	H	T	O
147	1	4	7
+ 153			
300			

300 Books

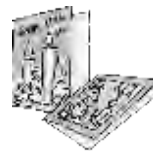
9. Sagar got two parcels of 144 pencils and 178 pencils on his birthday. How many pencils does he have?



	H	T	O
144	1	4	4
+ 178			
322			

322 Pencils

10. Vidhi has 228 cards and Pranav has 136 cards. How many cards do they have altogether?



	H	T	O
228	2	2	8
+ 136			
364			

364 Cards



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Number of cube-shaped boxes = 125
 Number of cuboid-shape boxes = 375
 Total number of boxes = $125 + 375$
 = 500 Boxes

	H	T	O
125	1	2	5
+ 375			
500			

Think, Solve and Learn

Critical and Logical thinking, Problem-solving

Successor of 100 = $100 - 1 = 99$
 Predecessor of 400 = $400 + 1 = 401$
 Adding the successor and predecessor = $99 + 401$
 = 500

	H	T	O
99	9	9	
+ 401			
500			



Subtraction



Subtracting 3-digit Numbers

Subtract the following :

(a)
$$\begin{array}{r} \text{H T O} \\ 593 \\ - 371 \\ \hline 222 \end{array}$$

(b)
$$\begin{array}{r} \text{H T O} \\ 456 \\ - 235 \\ \hline 221 \end{array}$$

(c)
$$\begin{array}{r} \text{H T O} \\ 676 \\ - 345 \\ \hline 331 \end{array}$$

(d)
$$\begin{array}{r} \text{H T O} \\ 880 \\ - 530 \\ \hline 350 \end{array}$$

(e)
$$\begin{array}{r} \text{H T O} \\ 389 \\ - 179 \\ \hline 210 \end{array}$$

(f)
$$\begin{array}{r} \text{H T O} \\ 295 \\ - 175 \\ \hline 120 \end{array}$$

(g)
$$\begin{array}{r} \text{H T O} \\ 754 \\ - 553 \\ \hline 201 \end{array}$$

(h)
$$\begin{array}{r} \text{H T O} \\ 451 \\ - 301 \\ \hline 150 \end{array}$$

(i)
$$\begin{array}{r} \text{H T O} \\ 514 \\ - 303 \\ \hline 211 \end{array}$$

(j)
$$\begin{array}{r} \text{H T O} \\ 593 \\ - 562 \\ \hline 031 \end{array}$$

(k)
$$\begin{array}{r} \text{H T O} \\ 403 \\ - 201 \\ \hline 202 \end{array}$$

(l)
$$\begin{array}{r} \text{H T O} \\ 756 \\ - 711 \\ \hline 045 \end{array}$$

Subtraction with Borrowing

Subtract the following :

(a)
$$\begin{array}{r} \text{H T O} \\ 685 \\ - 569 \\ \hline 116 \end{array}$$

(b)
$$\begin{array}{r} \text{H T O} \\ 356 \\ - 247 \\ \hline 109 \end{array}$$

(c)
$$\begin{array}{r} \text{H T O} \\ 641 \\ - 222 \\ \hline 419 \end{array}$$

(d)
$$\begin{array}{r} \text{H T O} \\ 568 \\ - 248 \\ \hline 320 \end{array}$$

(e)
$$\begin{array}{r} \text{H T O} \\ 754 \\ - 347 \\ \hline 407 \end{array}$$

(f)
$$\begin{array}{r} \text{H T O} \\ 483 \\ - 166 \\ \hline 317 \end{array}$$

(g)
$$\begin{array}{r} \text{H T O} \\ 368 \\ - 155 \\ \hline 213 \end{array}$$

(h)
$$\begin{array}{r} \text{H T O} \\ 836 \\ - 428 \\ \hline 408 \end{array}$$

(i)
$$\begin{array}{r} \text{H T O} \\ 473 \\ - 148 \\ \hline 325 \end{array}$$

(j)
$$\begin{array}{r} \text{H T O} \\ 936 \\ - 739 \\ \hline 197 \end{array}$$

(k)
$$\begin{array}{r} \text{H T O} \\ 291 \\ - 257 \\ \hline 034 \end{array}$$

(l)
$$\begin{array}{r} \text{H T O} \\ 584 \\ - 545 \\ \hline 039 \end{array}$$

▪ Subtract the following :

(a) $\begin{array}{r} \text{H T O} \\ 4 \text{ } 13 \\ 5 \text{ } 3 \text{ } 8 \\ - 2 \text{ } 4 \text{ } 3 \\ \hline 2 \text{ } 9 \text{ } 5 \end{array}$	(b) $\begin{array}{r} \text{H T O} \\ 5 \text{ } 12 \\ 6 \text{ } 2 \text{ } 9 \\ - 3 \text{ } 4 \text{ } 3 \\ \hline 2 \text{ } 8 \text{ } 6 \end{array}$	(c) $\begin{array}{r} \text{H T O} \\ 3 \text{ } 10 \\ 4 \text{ } 0 \text{ } 3 \\ - 1 \text{ } 8 \text{ } 2 \\ \hline 2 \text{ } 2 \text{ } 1 \end{array}$	(d) $\begin{array}{r} \text{H T O} \\ 2 \text{ } 14 \\ 3 \text{ } 4 \text{ } 8 \\ - 1 \text{ } 6 \text{ } 5 \\ \hline 1 \text{ } 8 \text{ } 3 \end{array}$
(e) $\begin{array}{r} \text{H T O} \\ 4 \text{ } 14 \\ 5 \text{ } 4 \text{ } 3 \\ - 1 \text{ } 7 \text{ } 1 \\ \hline 3 \text{ } 7 \text{ } 2 \end{array}$	(f) $\begin{array}{r} \text{H T O} \\ 2 \text{ } 17 \\ 3 \text{ } 7 \text{ } 7 \\ - 1 \text{ } 8 \text{ } 4 \\ \hline 1 \text{ } 9 \text{ } 3 \end{array}$	(g) $\begin{array}{r} \text{H T O} \\ 5 \text{ } 18 \\ 6 \text{ } 8 \text{ } 1 \\ - 2 \text{ } 9 \text{ } 0 \\ \hline 3 \text{ } 9 \text{ } 1 \end{array}$	(h) $\begin{array}{r} \text{H T O} \\ 8 \text{ } 10 \\ 9 \text{ } 0 \text{ } 9 \\ - 6 \text{ } 8 \text{ } 7 \\ \hline 2 \text{ } 2 \text{ } 2 \end{array}$
(i) $\begin{array}{r} \text{H T O} \\ 6 \text{ } 13 \\ 7 \text{ } 3 \text{ } 2 \\ - 5 \text{ } 6 \text{ } 2 \\ \hline 1 \text{ } 7 \text{ } 0 \end{array}$	(j) $\begin{array}{r} \text{H T O} \\ 3 \text{ } 13 \\ 4 \text{ } 3 \text{ } 3 \\ - 1 \text{ } 4 \text{ } 1 \\ \hline 2 \text{ } 9 \text{ } 2 \end{array}$	(k) $\begin{array}{r} \text{H T O} \\ 2 \text{ } 10 \\ 3 \text{ } 0 \text{ } 0 \\ - 1 \text{ } 9 \text{ } 0 \\ \hline 1 \text{ } 1 \text{ } 0 \end{array}$	(l) $\begin{array}{r} \text{H T O} \\ 4 \text{ } 14 \\ 5 \text{ } 4 \text{ } 7 \\ - 2 \text{ } 8 \text{ } 5 \\ \hline 2 \text{ } 6 \text{ } 2 \end{array}$

▪ Subtract the following :

(a) $\begin{array}{r} \text{H T O} \\ 12 \\ 6 \text{ } 2 \text{ } 12 \\ 7 \text{ } 3 \text{ } 2 \\ - 5 \text{ } 3 \text{ } 4 \\ \hline 1 \text{ } 9 \text{ } 8 \end{array}$	(b) $\begin{array}{r} \text{H T O} \\ 12 \\ 5 \text{ } 2 \text{ } 15 \\ 6 \text{ } 3 \text{ } 5 \\ - 3 \text{ } 7 \text{ } 9 \\ \hline 2 \text{ } 5 \text{ } 6 \end{array}$	(c) $\begin{array}{r} \text{H T O} \\ 14 \\ 6 \text{ } 2 \text{ } 10 \\ 7 \text{ } 5 \text{ } 0 \\ - 3 \text{ } 5 \text{ } 4 \\ \hline 3 \text{ } 9 \text{ } 6 \end{array}$	(d) $\begin{array}{r} \text{H T O} \\ 12 \\ 1 \text{ } 2 \text{ } 10 \\ 2 \text{ } 3 \text{ } 0 \\ - 1 \text{ } 7 \text{ } 5 \\ \hline 0 \text{ } 5 \text{ } 5 \end{array}$
(e) $\begin{array}{r} \text{H T O} \\ 15 \\ 3 \text{ } 2 \text{ } 11 \\ 4 \text{ } 6 \text{ } 1 \\ - 1 \text{ } 7 \text{ } 4 \\ \hline 2 \text{ } 8 \text{ } 7 \end{array}$	(f) $\begin{array}{r} \text{H T O} \\ 12 \\ 4 \text{ } 2 \text{ } 11 \\ 5 \text{ } 3 \text{ } 1 \\ - 1 \text{ } 5 \text{ } 4 \\ \hline 3 \text{ } 7 \text{ } 7 \end{array}$	(g) $\begin{array}{r} \text{H T O} \\ 16 \\ 2 \text{ } 2 \text{ } 14 \\ 3 \text{ } 7 \text{ } 4 \\ - 1 \text{ } 8 \text{ } 5 \\ \hline 1 \text{ } 8 \text{ } 9 \end{array}$	(h) $\begin{array}{r} \text{H T O} \\ 15 \\ 5 \text{ } 2 \text{ } 16 \\ 6 \text{ } 6 \text{ } 6 \\ - 4 \text{ } 8 \text{ } 8 \\ \hline 1 \text{ } 7 \text{ } 8 \end{array}$
(i) $\begin{array}{r} \text{H T O} \\ 11 \\ 6 \text{ } 2 \text{ } 13 \\ 7 \text{ } 2 \text{ } 3 \\ - 4 \text{ } 3 \text{ } 5 \\ \hline 2 \text{ } 8 \text{ } 8 \end{array}$	(j) $\begin{array}{r} \text{H T O} \\ 16 \\ 0 \text{ } 2 \text{ } 16 \\ 1 \text{ } 7 \text{ } 6 \\ - 9 \text{ } 8 \\ \hline 0 \text{ } 7 \text{ } 8 \end{array}$	(k) $\begin{array}{r} \text{H T O} \\ 17 \\ 3 \text{ } 2 \text{ } 10 \\ 4 \text{ } 8 \text{ } 0 \\ - 1 \text{ } 8 \text{ } 3 \\ \hline 2 \text{ } 9 \text{ } 7 \end{array}$	(l) $\begin{array}{r} \text{H T O} \\ 18 \\ 8 \text{ } 2 \text{ } 18 \\ 9 \text{ } 9 \text{ } 8 \\ - 7 \text{ } 9 \text{ } 9 \\ \hline 1 \text{ } 9 \text{ } 9 \end{array}$

▪ Subtract the following :

(a) $\begin{array}{r} \text{H T O} \\ 9 \\ 1 \text{ } 2 \text{ } 10 \\ 2 \text{ } 0 \text{ } 0 \\ - 1 \text{ } 2 \text{ } 5 \\ \hline 0 \text{ } 7 \text{ } 5 \end{array}$	(b) $\begin{array}{r} \text{H T O} \\ 9 \\ 3 \text{ } 2 \text{ } 10 \\ 4 \text{ } 0 \text{ } 0 \\ - 2 \text{ } 5 \text{ } 5 \\ \hline 1 \text{ } 4 \text{ } 5 \end{array}$	(c) $\begin{array}{r} \text{H T O} \\ 9 \\ 6 \text{ } 2 \text{ } 12 \\ 7 \text{ } 0 \text{ } 2 \\ - 5 \text{ } 2 \text{ } 5 \\ \hline 1 \text{ } 7 \text{ } 7 \end{array}$	(d) $\begin{array}{r} \text{H T O} \\ 9 \\ 2 \text{ } 2 \text{ } 18 \\ 3 \text{ } 0 \text{ } 8 \\ - 1 \text{ } 7 \text{ } 9 \\ \hline 1 \text{ } 2 \text{ } 9 \end{array}$
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(e)	$\begin{array}{r} \text{H T O} \\ 7 \text{ } 9 \text{ } 6 \\ - 7 \text{ } 9 \text{ } 9 \\ \hline 0 \text{ } 0 \text{ } 7 \end{array}$	(f)	$\begin{array}{r} \text{H T O} \\ 3 \text{ } 0 \text{ } 1 \\ - 1 \text{ } 9 \text{ } 1 \\ \hline 1 \text{ } 1 \text{ } 0 \end{array}$	(g)	$\begin{array}{r} \text{H T O} \\ 9 \text{ } 0 \text{ } 0 \\ - 8 \text{ } 8 \text{ } 8 \\ \hline 0 \text{ } 1 \text{ } 2 \end{array}$	(h)	$\begin{array}{r} \text{H T O} \\ 3 \text{ } 0 \text{ } 2 \\ - 2 \text{ } 1 \text{ } 5 \\ \hline 1 \text{ } 8 \text{ } 7 \end{array}$
(i)	$\begin{array}{r} \text{H T O} \\ 4 \text{ } 5 \text{ } 0 \\ - 2 \text{ } 2 \text{ } 5 \\ \hline 2 \text{ } 2 \text{ } 5 \end{array}$	(j)	$\begin{array}{r} \text{H T O} \\ 2 \text{ } 8 \text{ } 6 \\ - 1 \text{ } 9 \text{ } 7 \\ \hline 1 \text{ } 8 \text{ } 9 \end{array}$	(k)	$\begin{array}{r} \text{H T O} \\ 5 \text{ } 0 \text{ } 0 \\ - 2 \text{ } 2 \text{ } 2 \\ \hline 2 \text{ } 7 \text{ } 8 \end{array}$	(l)	$\begin{array}{r} \text{H T O} \\ 4 \text{ } 5 \text{ } 0 \\ - 3 \text{ } 7 \text{ } 5 \\ \hline 0 \text{ } 7 \text{ } 5 \end{array}$

Word Problems (Subtraction)

1. In a box 275 yellow balls and in another box 150 blue balls were there, how many yellow balls were more than blue balls?

125 Balls



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

2. There were 576 boys and 456 girls in a school. How many boys were more than the girls?

120 Boys



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

3. There were 387 green mangoes and 236 yellow mangoes on a tree. How many green mangoes were more than yellow mangoes?

151 Green Mangoes



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

4. 572 people boarded a train. 341 people got down at a station. How many people are left in the train?

231 People



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

5. A shopkeeper had 685 cold drinks. He sold 462 in a week. How many cold drinks are left after that week?

223 Cold Drinks



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

6. A fruit seller has 765 oranges. Out of them 146 have rotten. How many fruits can he sell?

619 Oranges



H	T	O
7	6	5
-	1	4
6	1	9

7. There are 253 sports players in a school. 154 them are boys. How many sports players are girls?

99 Girls



H	T	O
2	5	3
-	1	5
0	9	9

8. In a school's auditorium, there are 700 seats, if 475 people attended a function, how many seats were left vacant?

225 Seats



H	T	O
7	0	0
-	4	7
2	2	5

9. Vipin has 232 pages in his notebook. He used 188 pages for doing sums. How many pages are left unused?

44 Pages



H	T	O
2	3	2
-	1	8
0	4	4

10. In a sports meet, 382 students participated and 278 of them were girls. Find the number of boys.

104 Boys



H	T	O
3	8	2
-	2	7
1	0	4



Colour It Up

Do yourself.

Apply Your Learning

Do yourself.

Creativity, Problem-solving, Integrate with Arts

Observation, Discussion-based Learning, Enquiry-based Learning

Think, Solve and Learn

Critical and Logical thinking, Problem-solving

$685 - 85 = 600$

$600 - 85 = 515$

$515 - 85 = 430$

$430 - 85 = 345$

$345 - 85 = 260$

$260 - 85 = 175$

$175 - 85 = 90$

$90 - 85 = 5$

 \therefore Answer = 8 times

More Addition

**Addition of Three Numbers**

1. Add the following :

(a) $1 + 2 + 3 =$ 6

(b) $2 + 2 + 2 =$ 6

(c) $2 + 0 + 2 =$ 4

(d) $3 + 4 + 5 =$ 12

(e) $4 + 4 + 4 =$ 12

(f) $2 + 3 + 4 =$ 9

(g) $7 + 6 + 5 =$ 18

(h) $6 + 6 + 6 =$ 18

(i) $6 + 4 + 3 =$ 13

(j) $1 + 3 + 5 =$ 9

2. Add the following :

(a)	<div style="display: inline-block; text-align: center;"> <div style="border: 1px solid black; border-radius: 50%; width: 15px; height: 15px; line-height: 15px; margin: 0 auto;">T O</div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> 2 + 4 + 4 <hr style="border: 0.5px solid black;"/>10 </div> </div>
-----	---

(b)	<div style="display: inline-block; text-align: center;"> <div style="border: 1px solid black; border-radius: 50%; width: 15px; height: 15px; line-height: 15px; margin: 0 auto;">T O</div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> 2 + 4 + 6 <hr style="border: 0.5px solid black;"/>12 </div> </div>
-----	---

(c)	<div style="display: inline-block; text-align: center;"> <div style="border: 1px solid black; border-radius: 50%; width: 15px; height: 15px; line-height: 15px; margin: 0 auto;">T O</div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> 3 + 5 + 7 <hr style="border: 0.5px solid black;"/>15 </div> </div>
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(d)	<div style="display: inline-block; text-align: center;"> <div style="border: 1px solid black; border-radius: 50%; width: 15px; height: 15px; line-height: 15px; margin: 0 auto;">T O</div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> 4 + 3 + 5 <hr style="border: 0.5px solid black;"/>12 </div> </div>
-----	---

(e)	<div style="display: inline-block; text-align: center;"> <div style="border: 1px solid black; border-radius: 50%; width: 15px; height: 15px; line-height: 15px; margin: 0 auto;">T O</div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> 5 + 6 + 2 <hr style="border: 0.5px solid black;"/>13 </div> </div>
-----	---

(f)	$\begin{array}{r} \text{T O} \\ 5 \\ + 7 \\ + 9 \\ \hline 21 \end{array}$	(g)	$\begin{array}{r} \text{T O} \\ 6 \\ + 7 \\ + 8 \\ \hline 21 \end{array}$	(h)	$\begin{array}{r} \text{T O} \\ 7 \\ + 5 \\ + 8 \\ \hline 20 \end{array}$	(i)	$\begin{array}{r} \text{T O} \\ 9 \\ + 7 \\ + 7 \\ \hline 23 \end{array}$	(j)	$\begin{array}{r} \text{T O} \\ 7 \\ + 1 \\ + 9 \\ \hline 17 \end{array}$
-----	---	-----	---	-----	---	-----	---	-----	---

3. Add the following :

(a)	$\begin{array}{r} \text{T O} \\ 2 \\ + 2 3 \\ + 4 4 \\ \hline 6 9 \end{array}$	(b)	$\begin{array}{r} \text{T O} \\ 5 \\ + 1 2 \\ + 2 2 \\ \hline 3 9 \end{array}$	(c)	$\begin{array}{r} \text{T O} \\ 1 3 \\ + 4 2 \\ + 4 \\ \hline 5 9 \end{array}$	(d)	$\begin{array}{r} \text{T O} \\ 1 0 \\ + 1 1 \\ + 1 2 \\ \hline 3 3 \end{array}$
(e)	$\begin{array}{r} \text{T O} \\ 2 0 \\ + 3 2 \\ + 1 4 \\ \hline 6 6 \end{array}$	(f)	$\begin{array}{r} \text{T O} \\ 1 3 \\ + 2 1 \\ + 4 4 \\ \hline 7 8 \end{array}$	(g)	$\begin{array}{r} \text{T O} \\ 3 0 \\ + 2 0 \\ + 4 0 \\ \hline 9 0 \end{array}$	(h)	$\begin{array}{r} \text{T O} \\ 6 2 \\ + 1 7 \\ + 2 0 \\ \hline 9 9 \end{array}$
(i)	$\begin{array}{r} \text{T O} \\ 1 3 \\ + 1 2 \\ + 1 1 \\ \hline 3 6 \end{array}$	(j)	$\begin{array}{r} \text{T O} \\ 4 2 \\ + 4 5 \\ + 1 1 \\ \hline 9 8 \end{array}$	(k)	$\begin{array}{r} \text{T O} \\ 2 3 \\ + 2 2 \\ + 2 1 \\ \hline 6 6 \end{array}$	(l)	$\begin{array}{r} \text{T O} \\ 3 5 \\ + 1 0 \\ + 2 0 \\ \hline 6 5 \end{array}$

4. Add the following :

(a)	$\begin{array}{r} \text{H T O} \\ 2 1 2 \\ + 2 1 \\ + 1 \\ \hline 2 3 4 \end{array}$	(b)	$\begin{array}{r} \text{H T O} \\ 1 4 2 \\ + 3 0 \\ + 2 5 \\ \hline 1 9 7 \end{array}$	(c)	$\begin{array}{r} \text{H T O} \\ 1 4 5 \\ + 3 1 1 \\ + 2 3 \\ \hline 4 7 9 \end{array}$	(d)	$\begin{array}{r} \text{H T O} \\ 1 2 3 \\ + 2 3 4 \\ + 3 0 1 \\ \hline 6 5 8 \end{array}$
(e)	$\begin{array}{r} \text{H T O} \\ 2 3 5 \\ + 3 0 0 \\ + 2 5 1 \\ \hline 7 8 6 \end{array}$	(f)	$\begin{array}{r} \text{H T O} \\ 2 \\ + 2 3 \\ + 4 6 2 \\ \hline 4 8 7 \end{array}$	(g)	$\begin{array}{r} \text{H T O} \\ 3 0 \\ + 4 6 \\ + 5 1 1 \\ \hline 5 8 7 \end{array}$	(h)	$\begin{array}{r} \text{H T O} \\ 2 4 1 \\ + 4 1 5 \\ + 2 0 3 \\ \hline 8 5 9 \end{array}$
(i)	$\begin{array}{r} \text{H T O} \\ 3 2 4 \\ + 3 0 \\ + 3 1 3 \\ \hline 6 6 7 \end{array}$	(j)	$\begin{array}{r} \text{H T O} \\ 4 2 6 \\ + 1 0 1 \\ + 2 5 0 \\ \hline 7 7 7 \end{array}$	(k)	$\begin{array}{r} \text{H T O} \\ 5 2 2 \\ + 3 \\ + 3 6 4 \\ \hline 8 8 9 \end{array}$	(l)	$\begin{array}{r} \text{H T O} \\ 3 3 1 \\ + 1 2 3 \\ + 2 3 1 \\ \hline 6 8 5 \end{array}$

Addition of Three Numbers with Carrying

1. Add the following :

(a) $\begin{array}{r} \textcircled{1} \\ 16 \\ + 30 \\ + 7 \\ \hline 53 \end{array}$	(b) $\begin{array}{r} \textcircled{1} \\ 43 \\ + 7 \\ + 38 \\ \hline 88 \end{array}$	(c) $\begin{array}{r} \textcircled{1} \\ 4 \\ + 26 \\ + 18 \\ \hline 48 \end{array}$	(d) $\begin{array}{r} \textcircled{1} \\ 25 \\ + 25 \\ + 25 \\ \hline 75 \end{array}$
(e) $\begin{array}{r} \textcircled{2} \\ 43 \\ + 29 \\ + 18 \\ \hline 90 \end{array}$	(f) $\begin{array}{r} \textcircled{2} \\ 48 \\ + 15 \\ + 18 \\ \hline 81 \end{array}$	(g) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 28 \\ + 31 \\ + 49 \\ \hline 108 \end{array}$	(h) $\begin{array}{r} \textcircled{1} \\ 17 \\ + 39 \\ + 12 \\ \hline 68 \end{array}$
(i) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 87 \\ + 33 \\ + 12 \\ \hline 132 \end{array}$	(j) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 63 \\ + 36 \\ + 22 \\ \hline 121 \end{array}$	(k) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 35 \\ + 27 \\ + 46 \\ \hline 108 \end{array}$	(l) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 25 \\ + 50 \\ + 55 \\ \hline 130 \end{array}$

Addition of Three 3-digit Numbers with Carrying

2. Add the following :

(a) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 263 \\ + 375 \\ + 148 \\ \hline 786 \end{array}$	(b) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 543 \\ + 156 \\ + 105 \\ \hline 804 \end{array}$	(c) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 124 \\ + 295 \\ + 156 \\ \hline 575 \end{array}$	(d) $\begin{array}{r} \textcircled{1} \textcircled{2} \\ 329 \\ + 175 \\ + 137 \\ \hline 641 \end{array}$
(e) $\begin{array}{r} \textcircled{1} \textcircled{2} \\ 326 \\ + 396 \\ + 118 \\ \hline 840 \end{array}$	(f) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 564 \\ + 143 \\ + 283 \\ \hline 990 \end{array}$	(g) $\begin{array}{r} \textcircled{2} \textcircled{2} \\ 278 \\ + 267 \\ + 159 \\ \hline 704 \end{array}$	(h) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 367 \\ + 430 \\ + 178 \\ \hline 975 \end{array}$
(i) $\begin{array}{r} \textcircled{2} \textcircled{2} \\ 188 \\ + 178 \\ + 168 \\ \hline 534 \end{array}$	(j) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 445 \\ + 254 \\ + 225 \\ \hline 924 \end{array}$	(k) $\begin{array}{r} \textcircled{1} \textcircled{2} \\ 149 \\ + 238 \\ + 327 \\ \hline 714 \end{array}$	(l) $\begin{array}{r} \textcircled{1} \textcircled{1} \\ 105 \\ + 265 \\ + 385 \\ \hline 755 \end{array}$

3. Add the following :

(a)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 23 \\ + 26 \\ + 8 \\ \hline 57 \end{array}$	(b)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 56 \\ + 13 \\ + 25 \\ \hline 94 \end{array}$	(c)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 34 \\ + 53 \\ + 16 \\ \hline 103 \end{array}$	(d)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 50 \\ + 50 \\ + 50 \\ \hline 150 \end{array}$
(e)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 25 \\ + 25 \\ + 50 \\ \hline 100 \end{array}$	(f)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 66 \\ + 33 \\ + 99 \\ \hline 198 \end{array}$	(g)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 2 \\ + 76 \\ + 125 \\ \hline 203 \end{array}$	(h)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 203 \\ + 102 \\ + 309 \\ \hline 614 \end{array}$
(i)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 575 \\ + 85 \\ + 2 \\ \hline 662 \end{array}$	(j)	$\begin{array}{r} \text{H T O} \\ \textcircled{2} \textcircled{2} \\ 9 \\ + 99 \\ + 199 \\ \hline 307 \end{array}$	(k)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 443 \\ + 334 \\ + 125 \\ \hline 902 \end{array}$	(l)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 265 \\ + 156 \\ + 367 \\ \hline 788 \end{array}$

Addition of Four Numbers

■ Add the following :

(a)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 5 \\ + 8 \\ + 12 \\ + 20 \\ \hline 45 \end{array}$	(b)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 6 \\ + 12 \\ + 23 \\ + 37 \\ \hline 78 \end{array}$	(c)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 8 \\ + 13 \\ + 105 \\ + 112 \\ \hline 238 \end{array}$	(d)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 15 \\ + 112 \\ + 73 \\ + 204 \\ \hline 404 \end{array}$
(e)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 111 \\ + 122 \\ + 133 \\ + 144 \\ \hline 510 \end{array}$	(f)	$\begin{array}{r} \text{H T O} \\ 112 \\ + 235 \\ + 131 \\ + 121 \\ \hline 599 \end{array}$	(g)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{2} \\ 205 \\ + 155 \\ + 288 \\ + 102 \\ \hline 750 \end{array}$	(h)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 317 \\ + 202 \\ + 114 \\ + 145 \\ \hline 778 \end{array}$
(i)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 215 \\ + 103 \\ + 147 \\ + 250 \\ \hline 715 \end{array}$	(j)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 347 \\ + 123 \\ + 104 \\ + 231 \\ \hline 805 \end{array}$	(k)	$\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{1} \\ 226 \\ + 143 \\ + 232 \\ + 104 \\ \hline 705 \end{array}$	(l)	$\begin{array}{r} \text{H T O} \\ \textcircled{2} \textcircled{2} \\ 199 \\ + 209 \\ + 105 \\ + 190 \\ \hline 703 \end{array}$

Word Problems (Addition)

1. Amit scored 29, 85, 32 and 72 runs in four matches. How many runs did he score in all?

218 Runs



	H	T	O
29	2	9	
+ 85		8	5
+ 32		3	2
+ 72		7	2
218	2	1	8

2. A shopkeeper had jars with 92, 116 and 82 toffees. How many toffees in all were there in three jars?

290 Toffees



	H	T	O
92	9	2	
+ 116	1	1	6
+ 82		8	2
290	2	9	0

3. Sachin bought a bat for ₹ 125, Ravi bought it for ₹ 150 and Neeraj bought the same for ₹ 145. How much money did they spend for these bats?

₹ 420



	H	T	O
125	1	2	5
+ 150		1	5
+ 145		1	4
420	4	2	0

4. A fruit seller had 250 mangoes and 126 apples and also 206 oranges. How many fruits he had all together?

582 Fruits



	H	T	O
250	2	5	0
+ 126		1	2
+ 206		2	0
582	5	8	2

5. The number of trains passed through a station on three days were 156, 202 and 193. How many trains passed through the station on these three days?

551 Trains



	H	T	O
156	1	5	6
+ 202		2	0
+ 193		1	9
551	5	5	1



Colour It Up

Creativity, Problem-solving, Integrate with Arts

Do yourself.

Apply Your Learning

Observation, Discussion-based Learning, Enquiry-based Learning

		H	T	O	
		①			
Price of first present =	₹	2	5	0	
Price of second present =	₹	3	2	5	
Price of third present =	+	₹	4	8	0
Total amount =	₹	1	0	5	5

Think, Solve and Learn


Critical and Logical thinking, Problem-solving

		H	T	O
		①	①	
First 3-digit number =		3	9	5
Second 3-digit number =		1	0	5
	+	5	0	0


6 Multiplication


Multiplication**1. Add and multiply :**


(a)  $\begin{array}{r} 4 + 4 + 4 + 4 + 4 = 20 \\ \underline{5 \times 4 = 20} \end{array}$


(b)  $\begin{array}{r} 3 + 3 + 3 + 3 + 3 + 3 = 18 \\ \underline{6 \times 3 = 18} \end{array}$

(c)  $\begin{array}{r} 5 + 5 + 5 + 5 = 20 \\ \underline{4 \times 5 = 20} \end{array}$

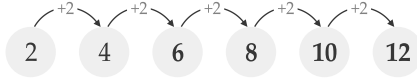
(d)  $\frac{6 + 6 + 6 = 18}{3 \times 6 = 18}$

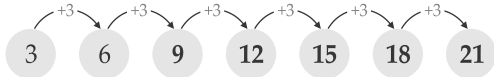
(e)  $\frac{6 + 6 + 6 + 6 = 24}{4 \times 6 = 24}$

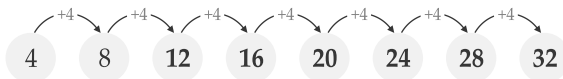
(f)  $\frac{4 + 4 + 4 + 4 + 4 + 4 = 24}{6 \times 4 = 24}$


(g)  $\frac{5 + 5 + 5 + 5 + 5 = 25}{5 \times 5 = 25}$


2. Fill in the blanks and find product :

 $6 \times 2 = 12$

 $7 \times 3 = 21$

 $8 \times 4 = 32$

 $9 \times 5 = 45$

 $8 \times 10 = 80$

Properties of Multiplication

1. Fill in the blanks :

- (a) $2 + 2 + 2 = 3 \times 2 = 2 \times 3 = 6$
- (b) $3 + 3 + 3 + 3 + 3 = 5 \times 3 = 3 \times 5 = 15$
- (c) $4 + 4 + 4 + 4 + 4 = 5 \times 4 = 4 \times 5 = 20$

- (d) $5 + 5 + 5 + 5 + 5 + 5 = 6 \times 5 = 5 \times 6 = 30$
 (e) $7 + 7 + 7 + 7 + 7 + 7 = 6 \times 7 = 7 \times 6 = 42$
 (f) $8 + 8 + 8 + 8 + 8 + 8 + 8 = 7 \times 8 = 8 \times 7 = 56$

2. Fill in the blanks :

- (a) $2 \times 4 = 4 \times 2 = 8$ (b) $5 \times 6 = 6 \times 5 = 30$
 (c) $3 \times 5 = 5 \times 3 = 15$ (d) $8 \times 5 = 5 \times 8 = 40$
 (e) $4 \times 6 = 6 \times 4 = 24$ (f) $9 \times 4 = 4 \times 9 = 36$
 (g) $7 \times 8 = 8 \times 7 = 56$ (h) $10 \times 7 = 7 \times 10 = 70$

3. Fill in the blanks :

- (a) $2 \times 0 = 0$ $0 \times 2 = 0$ $\therefore 2 \times 0 = 0 \times 2 = 0$
 (b) $5 \times 0 = 0$ $0 \times 5 = 0$ $\therefore 5 \times 0 = 0 \times 5 = 0$
 (c) $6 \times 0 = 0$ $0 \times 6 = 0$ $\therefore 6 \times 0 = 0 \times 6 = 0$
 (d) $8 \times 0 = 0$ $0 \times 8 = 0$ $\therefore 8 \times 0 = 0 \times 8 = 0$

4. Fill in the blanks :

- (a) $12 \times 1 = 12$ $1 \times 12 = 12$ $\therefore 12 \times 1 = 1 \times 12 = 12$
 (b) $15 \times 1 = 15$ $1 \times 15 = 15$ $\therefore 15 \times 1 = 1 \times 15 = 15$
 (c) $20 \times 1 = 20$ $1 \times 20 = 20$ $\therefore 20 \times 1 = 1 \times 20 = 20$
 (d) $16 \times 1 = 16$ $1 \times 16 = 16$ $\therefore 16 \times 1 = 1 \times 16 = 16$

Multiplication Tables

Add 3s and make the table of 3.

Table of 3	
$3 \times 1 =$	3
$3 \times 2 =$	6
$3 \times 3 =$	9
$3 \times 4 =$	12
$3 \times 5 =$	15
$3 \times 6 =$	18
$3 \times 7 =$	21
$3 \times 8 =$	24
$3 \times 9 =$	27
$3 \times 10 =$	30

Add 4s and make the table of 4.

Table of 4	
$4 \times 1 =$	4
$4 \times 2 =$	8
$4 \times 3 =$	12
$4 \times 4 =$	16
$4 \times 5 =$	20
$4 \times 6 =$	24
$4 \times 7 =$	28
$4 \times 8 =$	32
$4 \times 9 =$	36
$4 \times 10 =$	40

Add 5s and make the table of 5.

Table of 5		
$5 \times 1 =$	5	5
$5 \times 2 =$	10	+5
$5 \times 3 =$	15	+5
$5 \times 4 =$	20	+5
$5 \times 5 =$	25	+5
$5 \times 6 =$	30	+5
$5 \times 7 =$	35	+5
$5 \times 8 =$	40	+5
$5 \times 9 =$	45	+5
$5 \times 10 =$	50	+5

Add 6s and make the table of 6.

Table of 6		
$6 \times 1 =$	6	6
$6 \times 2 =$	12	+6
$6 \times 3 =$	18	+6
$6 \times 4 =$	24	+6
$6 \times 5 =$	30	+6
$6 \times 6 =$	36	+6
$6 \times 7 =$	42	+6
$6 \times 8 =$	48	+6
$6 \times 9 =$	54	+6
$6 \times 10 =$	60	+6

1. Fill in the blanks :

$2 \times 1 =$	2	$3 \times 1 =$	3	$4 \times 1 =$	4
$2 \times 2 =$	4	$3 \times 2 =$	6	$4 \times 2 =$	8
$2 \times 3 =$	6	$3 \times 3 =$	9	$4 \times 3 =$	12
$2 \times 4 =$	8	$3 \times 4 =$	12	$4 \times 4 =$	16
$2 \times 5 =$	10	$3 \times 5 =$	15	$4 \times 5 =$	20
$2 \times 6 =$	12	$3 \times 6 =$	18	$4 \times 6 =$	24
$2 \times 7 =$	14	$3 \times 7 =$	21	$4 \times 7 =$	28
$2 \times 8 =$	16	$3 \times 8 =$	24	$4 \times 8 =$	32
$2 \times 9 =$	18	$3 \times 9 =$	27	$4 \times 9 =$	36
$2 \times 10 =$	20	$3 \times 10 =$	30	$4 \times 10 =$	40

2. Fill in the blanks :

$5 \times 1 =$	5	$2 \times 3 =$	6	$3 \times 2 =$	6	$6 \times 1 =$	6
$5 \times 2 =$	10	$2 \times 5 =$	10	$5 \times 2 =$	10	$6 \times 2 =$	12
$5 \times 3 =$	15	$3 \times 4 =$	12	$4 \times 3 =$	12	$6 \times 3 =$	18
$5 \times 4 =$	20	$3 \times 5 =$	15	$5 \times 3 =$	15	$6 \times 4 =$	24
$5 \times 5 =$	25	$4 \times 2 =$	8	$2 \times 4 =$	8	$6 \times 5 =$	30
$5 \times 6 =$	30	$6 \times 4 =$	24	$4 \times 6 =$	24	$6 \times 6 =$	36
$5 \times 7 =$	35	$5 \times 6 =$	30	$6 \times 5 =$	30	$6 \times 7 =$	42
$5 \times 8 =$	40	$6 \times 3 =$	18	$3 \times 6 =$	18	$6 \times 8 =$	48
$5 \times 9 =$	45	$4 \times 2 =$	8	$2 \times 4 =$	8	$6 \times 9 =$	54
$5 \times 10 =$	50	$2 \times 6 =$	12	$6 \times 2 =$	12	$6 \times 10 =$	60

Add 7s and make the table of 7.

Table of 7		
$7 \times 1 =$	7	7
$7 \times 2 =$	14	7
$7 \times 3 =$	21	7
$7 \times 4 =$	28	7
$7 \times 5 =$	35	7
$7 \times 6 =$	42	7
$7 \times 7 =$	49	7
$7 \times 8 =$	56	7
$7 \times 9 =$	63	7
$7 \times 10 =$	70	7

Add 8s and make the table of 8.

Table of 8		
$8 \times 1 =$	8	8
$8 \times 2 =$	16	8
$8 \times 3 =$	24	8
$8 \times 4 =$	32	8
$8 \times 5 =$	40	8
$8 \times 6 =$	48	8
$8 \times 7 =$	56	8
$8 \times 8 =$	64	8
$8 \times 9 =$	72	8
$8 \times 10 =$	80	8

Add 9s and make the table of 9.

Table of 9		
$9 \times 1 =$	9	9
$9 \times 2 =$	18	9
$9 \times 3 =$	27	9
$9 \times 4 =$	36	9
$9 \times 5 =$	45	9
$9 \times 6 =$	54	9
$9 \times 7 =$	63	9
$9 \times 8 =$	72	9
$9 \times 9 =$	81	9
$9 \times 10 =$	90	9

Add 10s and make the table of 10.

Table of 10		
$10 \times 1 =$	10	10
$10 \times 2 =$	20	10
$10 \times 3 =$	30	10
$10 \times 4 =$	40	10
$10 \times 5 =$	50	10
$10 \times 6 =$	60	10
$10 \times 7 =$	70	10
$10 \times 8 =$	80	10
$10 \times 9 =$	90	10
$10 \times 10 =$	100	10

3. Fill in the blanks :

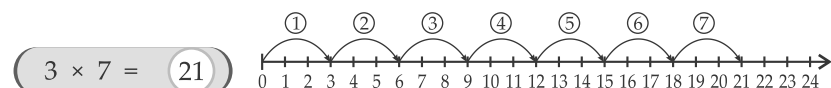
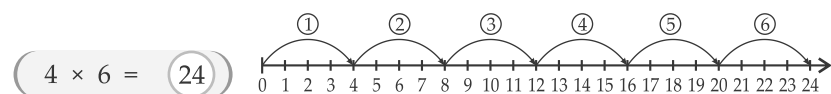
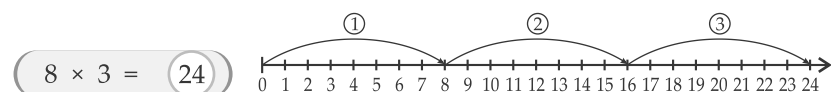
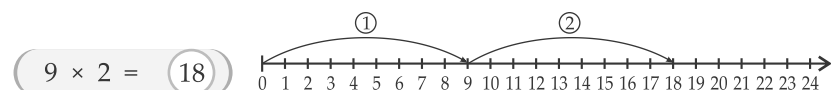
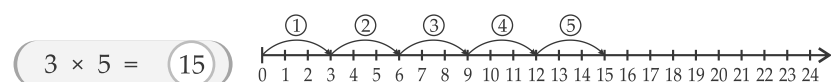
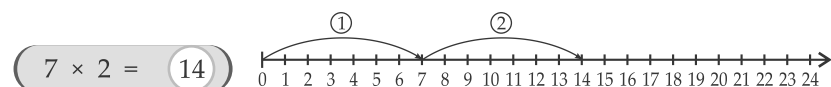
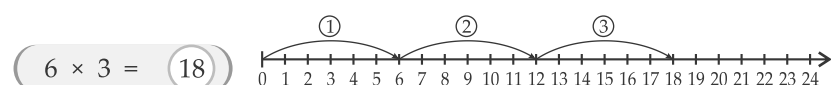
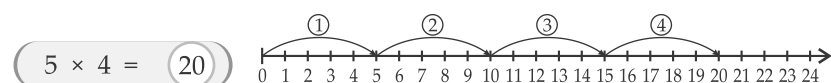
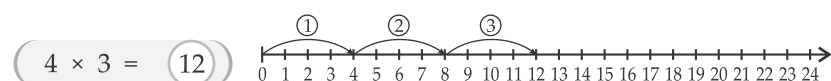
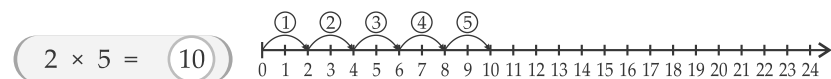
$7 \times 1 = 7$	$7 \times 3 = 21$	$3 \times 7 = 21$	$8 \times 1 = 8$
$7 \times 2 = 14$	$8 \times 2 = 16$	$2 \times 8 = 16$	$8 \times 2 = 16$
$7 \times 3 = 21$	$7 \times 4 = 28$	$4 \times 7 = 28$	$8 \times 3 = 24$
$7 \times 4 = 28$	$5 \times 8 = 40$	$8 \times 5 = 40$	$8 \times 4 = 32$
$7 \times 5 = 35$	$6 \times 7 = 42$	$7 \times 6 = 42$	$8 \times 5 = 40$
$7 \times 6 = 42$	$8 \times 7 = 56$	$7 \times 8 = 56$	$8 \times 6 = 48$
$7 \times 7 = 49$	$5 \times 7 = 35$	$7 \times 5 = 35$	$8 \times 7 = 56$
$7 \times 8 = 56$	$3 \times 8 = 24$	$8 \times 3 = 24$	$8 \times 8 = 64$
$7 \times 9 = 63$	$7 \times 5 = 35$	$5 \times 7 = 35$	$8 \times 9 = 72$
$7 \times 10 = 70$	$8 \times 6 = 48$	$6 \times 8 = 48$	$8 \times 10 = 80$

4. Fill in the blanks :

$9 \times 1 = 9$	$4 \times 9 = 36$	$9 \times 4 = 36$	$10 \times 1 = 10$
$9 \times 2 = 18$	$10 \times 3 = 30$	$3 \times 10 = 30$	$10 \times 2 = 20$
$9 \times 3 = 27$	$5 \times 9 = 45$	$9 \times 5 = 45$	$10 \times 3 = 30$
$9 \times 4 = 36$	$9 \times 2 = 18$	$2 \times 9 = 18$	$10 \times 4 = 40$
$9 \times 5 = 45$	$7 \times 9 = 63$	$9 \times 7 = 63$	$10 \times 5 = 50$
$9 \times 6 = 54$	$6 \times 10 = 60$	$10 \times 6 = 60$	$10 \times 6 = 60$
$9 \times 7 = 63$	$8 \times 9 = 72$	$9 \times 8 = 72$	$10 \times 7 = 70$
$9 \times 8 = 72$	$7 \times 10 = 70$	$10 \times 7 = 70$	$10 \times 8 = 80$
$9 \times 9 = 81$	$9 \times 10 = 90$	$10 \times 9 = 90$	$10 \times 9 = 90$
$9 \times 10 = 90$	$6 \times 8 = 48$	$8 \times 6 = 48$	$10 \times 10 = 100$

Multiplication on a Number Line

1. Multiply the following on the number line :



2. Multiply :

(a) $\begin{array}{r} \text{T O} \\ 2 \\ \times 3 \\ \hline 6 \end{array}$	(b) $\begin{array}{r} \text{T O} \\ 3 \\ \times 4 \\ \hline 12 \end{array}$	(c) $\begin{array}{r} \text{T O} \\ 2 \\ \times 7 \\ \hline 14 \end{array}$	(d) $\begin{array}{r} \text{T O} \\ 3 \\ \times 6 \\ \hline 18 \end{array}$	(e) $\begin{array}{r} \text{T O} \\ 4 \\ \times 5 \\ \hline 20 \end{array}$
(f) $\begin{array}{r} \text{T O} \\ 7 \\ \times 3 \\ \hline 21 \end{array}$	(g) $\begin{array}{r} \text{T O} \\ 5 \\ \times 6 \\ \hline 30 \end{array}$	(h) $\begin{array}{r} \text{T O} \\ 8 \\ \times 4 \\ \hline 32 \end{array}$	(i) $\begin{array}{r} \text{T O} \\ 7 \\ \times 4 \\ \hline 28 \end{array}$	(j) $\begin{array}{r} \text{T O} \\ 9 \\ \times 4 \\ \hline 36 \end{array}$

3. Find by multiply :

There are 2 rows, each has 4 balls.

There are $2 \times 4 = 8$ balls in all.

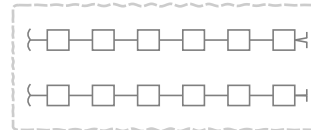


There are 3 rows, each has 7 stars.

There are $3 \times 7 = 21$ stars.

There are 2 bracelets, each with 6 stones.

There are $6 \times 2 = 12$ stones.



There are 4 columns of apples,
each with 5 apples.

There are $5 \times 4 = 20$ apples.

There are 3 groups of 7 pens.

There are $7 \times 3 = 21$ pens.



Multiplying 2-digit numbers by 1 digit numbers

1. Find the product of the following :

(a) $\begin{array}{r} \text{T O} \\ 40 \\ \times 2 \\ \hline 80 \end{array}$	(b) $\begin{array}{r} \text{T O} \\ 31 \\ \times 3 \\ \hline 93 \end{array}$	(c) $\begin{array}{r} \text{T O} \\ 44 \\ \times 2 \\ \hline 88 \end{array}$	(d) $\begin{array}{r} \text{T O} \\ 23 \\ \times 3 \\ \hline 69 \end{array}$	(e) $\begin{array}{r} \text{T O} \\ 12 \\ \times 4 \\ \hline 48 \end{array}$
--	--	--	--	--

(f) $\begin{array}{r} \text{T O} \\ 30 \\ \times 3 \\ \hline 90 \end{array}$ (g) $\begin{array}{r} \text{T O} \\ 43 \\ \times 2 \\ \hline 86 \end{array}$ (h) $\begin{array}{r} \text{T O} \\ 11 \\ \times 7 \\ \hline 77 \end{array}$ (i) $\begin{array}{r} \text{T O} \\ 20 \\ \times 4 \\ \hline 80 \end{array}$ (j) $\begin{array}{r} \text{T O} \\ 30 \\ \times 2 \\ \hline 60 \end{array}$

2. Find the product of the following :

(a) $\begin{array}{r} \text{T O} \\ \textcircled{2} \\ 17 \\ \times 3 \\ \hline 51 \end{array}$ (b) $\begin{array}{r} \text{T O} \\ \textcircled{4} \\ 18 \\ \times 5 \\ \hline 90 \end{array}$ (c) $\begin{array}{r} \text{T O} \\ \textcircled{2} \\ 16 \\ \times 4 \\ \hline 64 \end{array}$ (d) $\begin{array}{r} \text{T O} \\ 34 \\ \times 2 \\ \hline 68 \end{array}$ (e) $\begin{array}{r} \text{T O} \\ \textcircled{2} \\ 27 \\ \times 3 \\ \hline 81 \end{array}$

(f) $\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 15 \\ \times 2 \\ \hline 30 \end{array}$ (g) $\begin{array}{r} \text{T O} \\ \textcircled{2} \\ 17 \\ \times 4 \\ \hline 68 \end{array}$ (h) $\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 24 \\ \times 4 \\ \hline 96 \end{array}$ (i) $\begin{array}{r} \text{T O} \\ \textcircled{1} \\ 36 \\ \times 2 \\ \hline 72 \end{array}$ (j) $\begin{array}{r} \text{T O} \\ \textcircled{2} \\ 28 \\ \times 3 \\ \hline 84 \end{array}$

3. Find the product of the following :

(a) $\begin{array}{r} \text{H T O} \\ \textcircled{3} \\ 28 \\ \times 4 \\ \hline 112 \end{array}$ (b) $\begin{array}{r} \text{H T O} \\ \textcircled{2} \\ 37 \\ \times 3 \\ \hline 111 \end{array}$ (c) $\begin{array}{r} \text{H T O} \\ \textcircled{2} \\ 46 \\ \times 4 \\ \hline 184 \end{array}$ (d) $\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 52 \\ \times 7 \\ \hline 364 \end{array}$

(e) $\begin{array}{r} \text{H T O} \\ \textcircled{3} \\ 37 \\ \times 5 \\ \hline 185 \end{array}$ (f) $\begin{array}{r} \text{H T O} \\ \textcircled{4} \\ 78 \\ \times 6 \\ \hline 468 \end{array}$ (g) $\begin{array}{r} \text{H T O} \\ \textcircled{3} \\ 45 \\ \times 7 \\ \hline 315 \end{array}$ (h) $\begin{array}{r} \text{H T O} \\ \textcircled{2} \\ 59 \\ \times 3 \\ \hline 177 \end{array}$

(i) $\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 84 \\ \times 4 \\ \hline 336 \end{array}$ (j) $\begin{array}{r} \text{H T O} \\ \textcircled{3} \\ 88 \\ \times 4 \\ \hline 352 \end{array}$ (k) $\begin{array}{r} \text{H T O} \\ \textcircled{3} \\ 54 \\ \times 8 \\ \hline 432 \end{array}$ (l) $\begin{array}{r} \text{H T O} \\ \textcircled{5} \\ 98 \\ \times 7 \\ \hline 686 \end{array}$

Multiplying 3-digit Numbers by 1-digit Numbers

Find the product of the following :

(a) $\begin{array}{r} \text{H T O} \\ \textcircled{1} \textcircled{2} \\ 125 \\ \times 5 \\ \hline 625 \end{array}$ (b) $\begin{array}{r} \text{H T O} \\ \textcircled{2} \\ 118 \\ \times 3 \\ \hline 354 \end{array}$ (c) $\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 142 \\ \times 4 \\ \hline 568 \end{array}$ (d) $\begin{array}{r} \text{H T O} \\ \textcircled{1} \\ 437 \\ \times 2 \\ \hline 874 \end{array}$

(e)
$$\begin{array}{r} \text{H T O} \\ 126 \\ \times 3 \\ \hline 378 \end{array}$$

(f)
$$\begin{array}{r} \text{H T O} \\ 233 \\ \times 4 \\ \hline 932 \end{array}$$

(g)
$$\begin{array}{r} \text{H T O} \\ 107 \\ \times 8 \\ \hline 856 \end{array}$$

(h)
$$\begin{array}{r} \text{H T O} \\ 208 \\ \times 4 \\ \hline 832 \end{array}$$

(i)
$$\begin{array}{r} \text{Th H T O} \\ 137 \\ \times 8 \\ \hline 1096 \end{array}$$

(j)
$$\begin{array}{r} \text{Th H T O} \\ 204 \\ \times 6 \\ \hline 1224 \end{array}$$

(k)
$$\begin{array}{r} \text{H T O} \\ 356 \\ \times 2 \\ \hline 712 \end{array}$$

(l)
$$\begin{array}{r} \text{H T O} \\ 417 \\ \times 2 \\ \hline 834 \end{array}$$

(m)
$$\begin{array}{r} \text{H T O} \\ 138 \\ \times 4 \\ \hline 552 \end{array}$$

(n)
$$\begin{array}{r} \text{H T O} \\ 212 \\ \times 4 \\ \hline 848 \end{array}$$

(o)
$$\begin{array}{r} \text{H T O} \\ 143 \\ \times 6 \\ \hline 858 \end{array}$$

(p)
$$\begin{array}{r} \text{H T O} \\ 175 \\ \times 5 \\ \hline 875 \end{array}$$

Word Problems (Multiplication)

1. There are 36 boxes of pencils, each box containing 4 pencils. How many pencils are there?

144 Pencils



$$\begin{array}{r} \text{H T O} \\ 36 \\ \times 4 \\ \hline 144 \end{array}$$

2. There are 25 bunches of roses. Each bunch has 5 roses. How many roses are there in all?

125 Roses



$$\begin{array}{r} \text{H T O} \\ 25 \\ \times 5 \\ \hline 125 \end{array}$$

3. A bus has 6 wheels. How many wheels will be needed for 12 buses?

72 Wheels



$$\begin{array}{r} \text{H T O} \\ 12 \\ \times 6 \\ \hline 72 \end{array}$$

4. A hotel has 7 floors. On each floor there are 132 rooms. How many rooms does the hotel have?

924 Rooms



$$\begin{array}{r} \text{H T O} \\ 132 \\ \times 7 \\ \hline 924 \end{array}$$

5. An insect has 8 Legs. How many legs do 5 insects have all together ?

40 Legs



H	T	O
8		
×	5	
4	0	



Creative Corner

Creativity, Problem-solving

Connect the red circle to the blue circle in different ways using exactly 4 standing or sleeping lines. One is done for you. Do not repeat.

(○—○ is 1 line, ○—○—○ is 2 lines.)



Apply Your Learning

Observation, Experiential Learning, Problem-solving

Number of plant trees in a week = 5

Number of plant trees in 8 weeks = 5×8

= 40 trees

Think, Solve and Learn

Critical and Logical thinking, Problem-solving

$5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 50$

$50 \times 5 = 250$

The number = 250



Division



Division

- Fill in the blanks : (use tables)

(a) $8 \div 2 = 4$

(b) $10 \div 2 = 5$

(c) $12 \div 3 = 4$

(d) $8 \div 4 = 2$

(e) $10 \div 5 = 2$

(f) $12 \div 4 = 3$

(g) $15 \div 3 = 5$

(h) $9 \div 3 = 3$

(i) $20 \div 5 = 4$

(j) $27 \div 3 = 9$

(k) $32 \div 4 = 8$

(l) $45 \div 5 = 9$

(m) $48 \div 6 = 8$

(n) $48 \div 8 = 6$

(o) $49 \div 7 = 7$

(p) $45 \div 9 = 5$

(q) $72 \div 9 = 8$

(r) $56 \div 7 = 8$

Divide by Repeated Subtraction

▪ Divide the following using repeated subtraction :

(a) $6 \div 2$

$$\begin{array}{l} 6 - 2 = 4 \quad 1 \text{ time} \\ 4 - 2 = 2 \quad 2 \text{ time} \\ 2 - 2 = 0 \quad 3 \text{ time} \\ \therefore 6 \div 2 = 3 \end{array}$$

(b) $6 \div 3$

$$\begin{array}{l} 6 - 3 = 3 \quad 1 \text{ time} \\ 3 - 3 = 0 \quad 2 \text{ time} \\ \therefore 6 \div 3 = 2 \end{array}$$

(c) $8 \div 4$

$$\begin{array}{l} 8 - 4 = 4 \quad 1 \text{ time} \\ 4 - 4 = 0 \quad 2 \text{ time} \\ \therefore 8 \div 4 = 2 \end{array}$$

(d) $20 \div 5$

$$\begin{array}{l} 20 - 5 = 15 \quad 1 \text{ time} \\ 15 - 5 = 10 \quad 2 \text{ time} \\ 10 - 5 = 5 \quad 3 \text{ time} \\ 5 - 5 = 0 \quad 4 \text{ time} \\ \therefore 20 \div 5 = 4 \end{array}$$

(e) $12 \div 3$

$$\begin{array}{l} 12 - 3 = 9 \quad 1 \text{ time} \\ 9 - 3 = 6 \quad 2 \text{ time} \\ 6 - 3 = 3 \quad 3 \text{ time} \\ 3 - 3 = 0 \quad 4 \text{ time} \\ \therefore 12 \div 3 = 4 \end{array}$$

(f) $12 \div 4$

$$\begin{array}{l} 12 - 4 = 8 \quad 1 \text{ time} \\ 8 - 4 = 4 \quad 2 \text{ time} \\ 4 - 4 = 0 \quad 3 \text{ time} \\ \therefore 12 \div 4 = 3 \end{array}$$

(g) $16 \div 4$

$$\begin{array}{l} 16 - 4 = 12 \quad 1 \text{ time} \\ 12 - 4 = 8 \quad 2 \text{ time} \\ 8 - 4 = 4 \quad 3 \text{ time} \\ 4 - 4 = 0 \quad 4 \text{ time} \\ \therefore 16 \div 4 = 4 \end{array}$$

(h) $24 \div 6$

$$\begin{array}{l} 24 - 6 = 18 \quad 1 \text{ time} \\ 18 - 6 = 12 \quad 2 \text{ time} \\ 12 - 6 = 6 \quad 3 \text{ time} \\ 6 - 6 = 0 \quad 4 \text{ time} \\ \therefore 24 \div 6 = 4 \end{array}$$

(i) $35 \div 7$

$$\begin{array}{l} 35 - 7 = 28 \quad 1 \text{ time} \\ 28 - 7 = 21 \quad 2 \text{ time} \\ 21 - 7 = 14 \quad 3 \text{ time} \\ 14 - 7 = 7 \quad 4 \text{ time} \\ 7 - 7 = 0 \quad 5 \text{ time} \\ \therefore 35 \div 7 = 5 \end{array}$$

(j) $28 \div 7$

$$\begin{array}{l} 28 - 7 = 21 \quad 1 \text{ time} \\ 21 - 7 = 14 \quad 2 \text{ time} \\ 14 - 7 = 7 \quad 3 \text{ time} \\ 7 - 7 = 0 \quad 4 \text{ time} \\ \therefore 28 \div 7 = 4 \end{array}$$

(k) $24 \div 8$

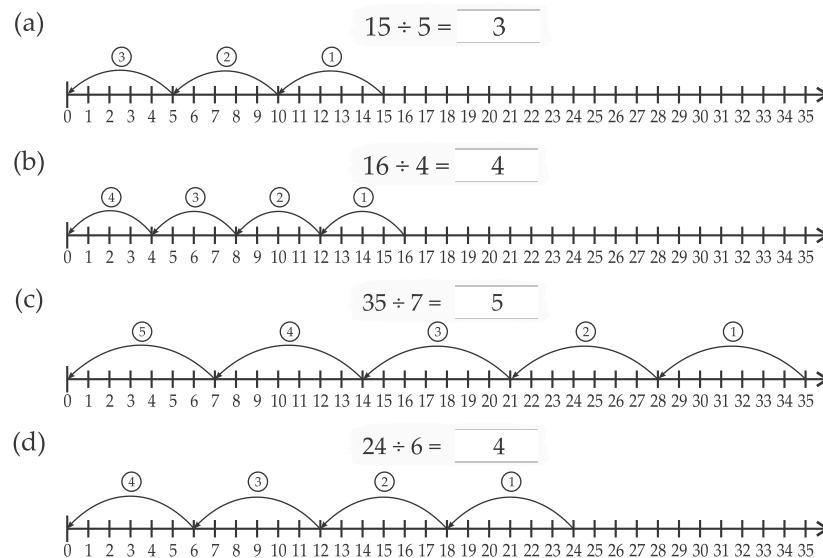
$$\begin{array}{l} 24 - 8 = 16 \quad 1 \text{ time} \\ 16 - 8 = 8 \quad 2 \text{ time} \\ 8 - 8 = 0 \quad 3 \text{ time} \\ \therefore 24 \div 8 = 3 \end{array}$$

(l) $18 \div 3$

$$\begin{array}{l} 18 - 3 = 15 \quad 1 \text{ time} \\ 15 - 3 = 12 \quad 2 \text{ time} \\ 12 - 3 = 9 \quad 3 \text{ time} \\ 9 - 3 = 6 \quad 4 \text{ time} \\ 6 - 3 = 3 \quad 5 \text{ time} \\ 3 - 3 = 0 \quad 6 \text{ time} \\ \therefore 18 \div 3 = 6 \end{array}$$

Division on Number Line

Divide on number line :



Division Facts

Write two division facts for each multiplication fact.

Multiplication Fact	Division Fact	Division Fact
$7 \times 4 = 28$	$28 \div 4 = 7$	$28 \div 7 = 4$
$5 \times 6 = 30$	$30 \div 5 = 6$	$30 \div 6 = 5$
$6 \times 3 = 18$	$18 \div 3 = 6$	$18 \div 6 = 3$
$4 \times 9 = 36$	$36 \div 4 = 9$	$36 \div 9 = 4$
$9 \times 7 = 63$	$63 \div 7 = 9$	$63 \div 9 = 7$
$3 \times 8 = 24$	$24 \div 3 = 8$	$24 \div 8 = 3$
$6 \times 7 = 42$	$42 \div 6 = 7$	$42 \div 7 = 6$
$9 \times 4 = 36$	$36 \div 4 = 9$	$36 \div 9 = 4$
$7 \times 5 = 35$	$35 \div 5 = 7$	$35 \div 7 = 5$
$4 \times 8 = 32$	$32 \div 4 = 8$	$32 \div 8 = 4$
$5 \times 8 = 40$	$40 \div 5 = 8$	$40 \div 8 = 5$

Properties of Division

Fill in the blank boxes :

- (a) $0 \div 13 = \boxed{0}$ (b) $14 \div 1 = \boxed{14}$ (c) $22 \div 22 = \boxed{1}$
 (d) $7 \div 1 = \boxed{7}$ (e) $9 \div 9 = \boxed{1}$ (f) $0 \div 5 = \boxed{0}$
 (g) $25 \div 25 = \boxed{1}$ (h) $0 \div 19 = \boxed{0}$ (i) $11 \div 1 = \boxed{11}$

Division Methods

1. Divide and fill in the blanks :

- (a)
$$\begin{array}{r} 5 \\ 2 \overline{)10} \\ \underline{-10} \\ \times \end{array}$$
 (b)
$$\begin{array}{r} 4 \\ 3 \overline{)12} \\ \underline{-12} \\ \times \end{array}$$
 (c)
$$\begin{array}{r} 3 \\ 4 \overline{)12} \\ \underline{-12} \\ \times \end{array}$$
 (d)
$$\begin{array}{r} 6 \\ 2 \overline{)12} \\ \underline{-12} \\ \times \end{array}$$
 (e)
$$\begin{array}{r} 3 \\ 5 \overline{)15} \\ \underline{-15} \\ \times \end{array}$$

 (f)
$$\begin{array}{r} 4 \\ 5 \overline{)20} \\ \underline{-20} \\ \times \end{array}$$
 (g)
$$\begin{array}{r} 3 \\ 6 \overline{)18} \\ \underline{-18} \\ \times \end{array}$$
 (h)
$$\begin{array}{r} 8 \\ 5 \overline{)40} \\ \underline{-40} \\ \times \end{array}$$
 (i)
$$\begin{array}{r} 5 \\ 8 \overline{)40} \\ \underline{-40} \\ \times \end{array}$$
 (j)
$$\begin{array}{r} 6 \\ 3 \overline{)18} \\ \underline{-18} \\ \times \end{array}$$

 (k)
$$\begin{array}{r} 5 \\ 6 \overline{)30} \\ \underline{-30} \\ \times \end{array}$$
 (l)
$$\begin{array}{r} 3 \\ 9 \overline{)27} \\ \underline{-27} \\ \times \end{array}$$
 (m)
$$\begin{array}{r} 7 \\ 4 \overline{)28} \\ \underline{-28} \\ \times \end{array}$$
 (n)
$$\begin{array}{r} 6 \\ 5 \overline{)30} \\ \underline{-30} \\ \times \end{array}$$
 (o)
$$\begin{array}{r} 9 \\ 3 \overline{)27} \\ \underline{-27} \\ \times \end{array}$$

 (p)
$$\begin{array}{r} 7 \\ 3 \overline{)21} \\ \underline{-21} \\ \times \end{array}$$
 (q)
$$\begin{array}{r} 5 \\ 7 \overline{)35} \\ \underline{-35} \\ \times \end{array}$$
 (r)
$$\begin{array}{r} 8 \\ 6 \overline{)48} \\ \underline{-48} \\ \times \end{array}$$
 (s)
$$\begin{array}{r} 9 \\ 7 \overline{)63} \\ \underline{-63} \\ \times \end{array}$$
 (t)
$$\begin{array}{r} 8 \\ 7 \overline{)56} \\ \underline{-56} \\ \times \end{array}$$

2. Do and write the following in short form :

- (a)
$$\begin{array}{r} 9 \\ 5 \overline{)45} \end{array} \Rightarrow \boxed{45} \div \boxed{5} = \boxed{9}$$
 (b)
$$\begin{array}{r} 8 \\ 9 \overline{)72} \end{array} \Rightarrow \boxed{72} \div \boxed{9} = \boxed{8}$$

 (c)
$$\begin{array}{r} 8 \\ 6 \overline{)48} \end{array} \Rightarrow \boxed{48} \div \boxed{6} = \boxed{8}$$
 (d)
$$\begin{array}{r} 7 \\ 6 \overline{)42} \end{array} \Rightarrow \boxed{42} \div \boxed{6} = \boxed{7}$$

 (e)
$$\begin{array}{r} 5 \\ 8 \overline{)40} \end{array} \Rightarrow \boxed{40} \div \boxed{8} = \boxed{5}$$
 (f)
$$\begin{array}{r} 8 \\ 7 \overline{)56} \end{array} \Rightarrow \boxed{56} \div \boxed{7} = \boxed{8}$$

3. Divide and write in long form :

- (a) $\boxed{24} \div \boxed{4} = \boxed{6} \Leftarrow \begin{array}{r} 6 \\ 4 \overline{)24} \\ \underline{-24} \\ \times \end{array}$ (b) $\boxed{32} \div \boxed{8} = \boxed{4} \Leftarrow \begin{array}{r} 4 \\ 8 \overline{)32} \\ \underline{-32} \\ \times \end{array}$

(c) $35 \div 7 = 5$ \leftarrow $\begin{array}{r} 5 \\ 7 \overline{) 35} \\ - 35 \\ \hline \times \end{array}$ (b) $63 \div 9 = 7$ \leftarrow $\begin{array}{r} 7 \\ 9 \overline{) 63} \\ - 63 \\ \hline \times \end{array}$

4. Fill in the blanks.

<p>(a) $\begin{array}{r} 9 \\ 6 \overline{) 54} \end{array}$ $\begin{array}{r} \text{Dividend} \\ 54 \end{array}$ $\begin{array}{r} \text{Divisor} \\ 6 \end{array}$ $\begin{array}{r} \text{Quotient} \\ 9 \end{array}$</p> <p>(c) $\begin{array}{r} 6 \\ 5 \overline{) 30} \end{array}$ $\begin{array}{r} \text{Dividend} \\ 30 \end{array}$ $\begin{array}{r} \text{Divisor} \\ 5 \end{array}$ $\begin{array}{r} \text{Quotient} \\ 6 \end{array}$</p>	<p>(b) $\begin{array}{r} 5 \\ 7 \overline{) 35} \end{array}$ $\begin{array}{r} \text{Dividend} \\ 35 \end{array}$ $\begin{array}{r} \text{Divisor} \\ 7 \end{array}$ $\begin{array}{r} \text{Quotient} \\ 5 \end{array}$</p> <p>(d) $\begin{array}{r} 9 \\ 4 \overline{) 36} \end{array}$ $\begin{array}{r} \text{Dividend} \\ 36 \end{array}$ $\begin{array}{r} \text{Divisor} \\ 4 \end{array}$ $\begin{array}{r} \text{Quotient} \\ 9 \end{array}$</p>
---	---

5. Solve and check :

<p>(a) $\begin{array}{r} 6 \\ 9 \overline{) 54} \\ - 54 \\ \hline 00 \end{array}$</p> <p>Check : $9 \times 6 = 54$</p>	<p>(b) $\begin{array}{r} 6 \\ 8 \overline{) 48} \\ - 48 \\ \hline 00 \end{array}$</p> <p>Check : $8 \times 6 = 48$</p>	<p>(c) $\begin{array}{r} 6 \\ 7 \overline{) 42} \\ - 42 \\ \hline 00 \end{array}$</p> <p>Check : $7 \times 6 = 42$</p>
<p>(d) $\begin{array}{r} 6 \\ 6 \overline{) 36} \\ - 36 \\ \hline 00 \end{array}$</p> <p>Check : $6 \times 6 = 36$</p>	<p>(e) $\begin{array}{r} 7 \\ 5 \overline{) 35} \\ - 35 \\ \hline 00 \end{array}$</p> <p>Check : $5 \times 7 = 35$</p>	<p>(f) $\begin{array}{r} 7 \\ 4 \overline{) 28} \\ - 28 \\ \hline 00 \end{array}$</p> <p>Check : $4 \times 7 = 28$</p>

Word Problems (Division)

1. Vipin puts 24 apples equally into 3 baskets. How many apples are there in each basket?

8 Apples



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

2. Vidhi puts 12 toffees equally in 2 boxes. How many toffees are there in each box?

6 Toffees



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

3. There are 36 students in a class. They are divided into 4 houses equally. How many students are there in each house?



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

9 Students

4. A carton of soft drinks contains 6 bottles. How many cartons are needed for 42 bottles?



$$\begin{array}{r} 7 \\ 6 \overline{) 42} \\ \underline{- 42} \\ \times \end{array}$$

7 Cartons

5. 42 flowers are equally divided in 7 vases (Flower pots). How many flowers does each get?



$$\begin{array}{r} 6 \\ 7 \overline{) 42} \\ \underline{- 42} \\ \times \end{array}$$

6 Flowers



Colour It Up

Creativity, Problem-solving, Integrate with Arts

Solve the division problems written inside the crayons. Colour the crayons with the same colour if you get the same quotient.

[Colour Do Yourself.]

$20 \div 5 = 4$

$28 \div 4 = 7$

$36 \div 6 = 6$

$42 \div 6 = 7$

$54 \div 9 = 6$

$32 \div 8 = 4$

$18 \div 3 = 6$

$36 \div 9 = 4$

$35 \div 5 = 7$

Apply Your Learning

Observation, Discussion-based Learning, Enquiry-based Learning

Do yourself

Think, Solve and Learn

Critical and Logical thinking, Problem-solving

Number of cold drinks = 12

By mistake cold drinks dropped = 2

Remaining cold drinks = $12 - 2 = 10$

Number of friends = 5

Distributed the cold drinks equally her friends = $10 \div 5 = 2$

8 Time

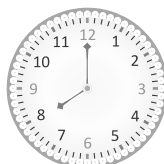


Reading Time

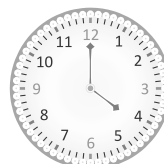
1. Write the time :



6 : 00
6 o' clock



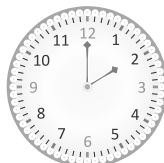
8 : 00
8 o' clock



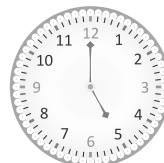
4 : 00
4 o' clock



10 : 00
10 o' clock



2 : 00
2 o' clock

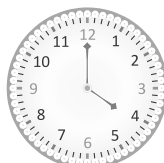


5 : 00
5 o' clock

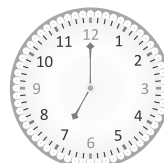
2. Show the time :



1 : 00
1 o' clock



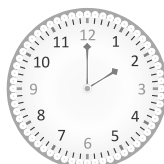
4 : 00
4 o' clock



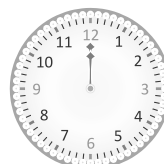
7 : 00
7 o' clock



11 : 00
11 o' clock



2 : 00
2 o' clock















12 : 00
12 o' clock

1. Write the time :

6 : 45	7 : 30	8 : 15	9 : 30	10 : 45
Quarter to Seven	Half Past Seven	Quarter Past Eight	Half Past Nine	Quarter to Eleven
2 : 30	3 : 45	11 : 15	12 : 15	1 : 45
Half Past Two	Quarter to Four	Quarter Past Eleven	Quarter Past Twelve	Quarter to Two

2. Show the time :

		
half past eight	quarter past three	quarter to eight
		
3 : 30	7 : 15	10 : 45
		
quarter past nine	half past five	quarter past two
		
10 : 15	8 : 45	5 : 15

Ordinary Year and Leap Year

1. Fill in the blanks :

- (a) Day that comes just after Saturday is **Sunday**.
- (b) Day that comes just before Wednesday is **Tuesday**.
- (c) Today is Monday, yesterday was **Sunday**.
- (d) Today is Thursday, tomorrow will be **Friday**.
- (e) Yesterday was Sunday, **today** is Monday.
- (f) Today is Tuesday, **tomorrow** will be Wednesday.
- (g) An hour = **60** minutes and 1 week = **7** days.
- (h) **24** hours make a day.
- (i) There are **7** days in a week.
- (j) **12** months make an year.
- (k) A leap year has **366** days.
- (l) There are **365** days in an year.
- (m) The seventh month of the year is **July**.
- (n) April has **30** days and october has **31**.
- (o) February has **29** days in a leap year.
- (p) The eleventh month of the year is **November**.

2. Tick which is approximate :

Do yourself.

3. Look at the calendar of the current year and fill in the blanks :

Do yourself.

4. Fill in the blanks from current year calendar :

Do yourself.

5. Fill in the blanks to complete the names of the months.

- | | |
|---|---|
| (a) J <u>A</u> N <u>U</u> A <u>U</u> Y | (b) F <u>E</u> B <u>R</u> U <u>A</u> R <u>Y</u> |
| (c) M <u>A</u> R <u>C</u> H | (d) A <u>P</u> R <u>I</u> L |
| (e) M <u>A</u> Y | (f) J <u>U</u> N <u>E</u> |
| (g) J <u>U</u> L <u>Y</u> | (h) A <u>U</u> G <u>U</u> S <u>T</u> |
| (i) S <u>E</u> P <u>T</u> E <u>M</u> B <u>E</u> R | (j) O <u>C</u> T <u>O</u> B <u>E</u> R |
| (k) N <u>O</u> V <u>E</u> M <u>B</u> E <u>R</u> | (l) D <u>E</u> C <u>E</u> M <u>B</u> E <u>R</u> |

6. Geeta's friend's B' days are given :

Do yourself.



Creative Corner

Creativity, Problem-solving

Do yourself.

Apply Your Learning

Observation, Experiential Learning, Problem-solving

Do yourself.

Think, Solve and Learn

Critical and Logical thinking, Problem-solving

Do yourself.







Money



Money








- Write total value of each of the followings :




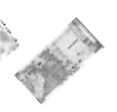


(a)  ₹ <input type="text" value="2"/>	(b)  ₹ <input type="text" value="8"/>
(c)  ₹ <input type="text" value="15"/>	(d)  ₹ <input type="text" value="21"/>






Money Maths

- Tick to change money :






(a) 					
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(b) 					
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(c) 					
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>






(d)       
☒ ☒ ☐ ☐ ☐ ☒






(e)      
☒ ☒ ☒ ☐ ☐






(f)     
☒ ☐ ☐ ☐ ☒






2. Tick to match :

(a)     
☒ ☒ ☒ ☐ ☐ → ₹ 8

(b)     
☒ ☒ ☐ ☒ ☐ → ₹ 16

(c)     
☒ ☐ ☒ ☐ ☒ → ₹ 27

(d)     
☒ ☒ ☐ ☒ ☐ → ₹ 35

(e)     
☒ ☐ ☒ ☒ ☒ → ₹ 64



Writing Rupees and paise

1. Write the following in numbers :

- | | |
|---|----------|
| (a) Ten rupees and fifty paise | ₹ 10.50 |
| (b) Fifteen rupees and twenty five paise | ₹ 15.25 |
| (c) Sixty four rupees and twenty paise | ₹ 64.20 |
| (d) Forty eight rupees and ten paise | ₹ 48.10 |
| (e) One hundred and nine rupees and fifty paise | ₹ 109.50 |

2. Write in words :

- | | | |
|-----|----------|--|
| (a) | ₹ 37.25 | Thirty seven rupees and twenty five paise |
| (b) | ₹ 45.50 | Forty five rupees and fifty paise |
| (c) | ₹ 63.10 | Sixty three rupees and ten paise |
| (d) | ₹ 98.75 | Ninety eight rupees and seventy five paise |
| (e) | ₹ 110.50 | One hundred and ten rupees and fifty piase |

3. Fill in the blanks :

- (a) 50 paise + 25 paise = 75 paise
- (b) 25 paise + 10 paise = 35 paise
- (c) 50 paise + 50 paise = 100 paise = 1 rupee

- (d) 10 rupees + 5 rupees + 2 rupees = **17** rupees
 (e) 50 rupees + 20 rupees + 10 rupees = **80** rupees
 (f) 6 rupees = 5 rupees + **1** rupee
 (g) 25 rupees = **20** rupees + 5 rupees
 (h) 18 rupees = 10 rupees + 5 rupees + **2** rupees + **1** rupee
 (i) 42 rupees = 20 rupees + **20** rupees + 2 rupees
 (j) 63 rupees = 50 rupees + 10 rupees + **2** rupees + **1** rupee

Addition of Money

1. Add the following :

(a) $\begin{array}{r} \text{P} \\ 10 \\ + 25 \\ \hline 35 \end{array}$ (b) $\begin{array}{r} \text{P} \\ 25 \\ + 25 \\ \hline 50 \end{array}$ (c) $\begin{array}{r} \text{P} \\ 25 \\ + 50 \\ \hline 75 \end{array}$ (d) $\begin{array}{r} \text{Rs} \\ 5 \\ + 10 \\ \hline 15 \end{array}$ (e) $\begin{array}{r} \text{Rs} \\ 35 \\ + 62 \\ \hline 97 \end{array}$

(f) $\begin{array}{r} \text{Rs} \quad \text{P} \\ 21 \quad 15 \\ + 10 \quad 20 \\ \hline 31 \quad 35 \end{array}$ (g) $\begin{array}{r} \text{Rs} \quad \text{P} \\ 25 \quad 00 \\ + 25 \quad 00 \\ \hline 50 \quad 00 \end{array}$ (h) $\begin{array}{r} \text{Rs} \quad \text{P} \\ 100 \quad 55 \\ + 50 \quad 25 \\ \hline 150 \quad 80 \end{array}$ (i) $\begin{array}{r} \text{Rs} \quad \text{P} \\ 105 \quad 25 \\ + 85 \quad 20 \\ \hline 190 \quad 45 \end{array}$

2. Add the following :

(a) $\begin{array}{r} ₹ 12.50 \\ + ₹ 23.25 \\ \hline ₹ 35.75 \end{array}$ (b) $\begin{array}{r} ₹ 25.35 \\ + ₹ 24.65 \\ \hline ₹ 50.00 \end{array}$ (c) $\begin{array}{r} ₹ 90.80 \\ + ₹ 60.20 \\ \hline ₹ 151.00 \end{array}$ (d) $\begin{array}{r} ₹ 63.25 \\ + ₹ 36.85 \\ \hline ₹ 100.10 \end{array}$

(e) $\begin{array}{r} ₹ 503.25 \\ + ₹ 119.50 \\ \hline ₹ 622.75 \end{array}$ (f) $\begin{array}{r} ₹ 273.75 \\ + ₹ 648.10 \\ \hline ₹ 921.85 \end{array}$ (g) $\begin{array}{r} ₹ 10.00 \\ + ₹ 20.50 \\ + ₹ 55.25 \\ \hline ₹ 85.75 \end{array}$ (h) $\begin{array}{r} ₹ 15.10 \\ + ₹ 105.25 \\ + ₹ 383.75 \\ \hline ₹ 504.10 \end{array}$

Word Problems (Addition)

1. Rajat bought a pen for ₹ 10 and a sharpener for ₹ 2. How much money did he spend?

₹ 12



₹ 10
+ ₹ 2
₹ 12

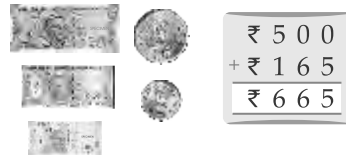
2. Geeta got ₹ 50, Rani got ₹ 25 and Vipin got ₹ 16. How much money did they get in all?

₹ 91



3. Amit has a ₹ 500 in notes and ₹ 165 in coins. How much money does he have altogether?

₹ 665



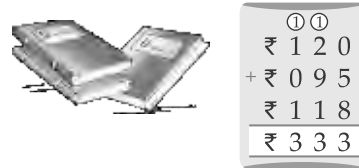
4. A toy car costs ₹ 638.50 and a ball costs ₹ 135.75. How much money do you need to buy both?

₹ 774.25



5. A book of Maths costs ₹ 120 and Hindi costs ₹ 95 and English costs ₹ 118. How much do you have to pay for all three books?

₹ 333



Subtraction of Money

1. Subtract the following :

(a)

P
85
- 30
55

(b)

P
45
- 25
20

(c)

P
70
80
- 75
05

(d)

Rs
50
63
- 39
24

(e)

Rs
00
142
- 77
065

(f)

Rs	P
00	26
50	50
- 8	20
18	30

(g)

Rs	P
00	48
75	75
- 29	50
19	25

(h)

Rs	P
00	11
27	5
- 56	25
05	65

(i)

Rs	P
00	40
80	80
- 17	75
38	05

2. Subtract the following :

(a)
$$\begin{array}{r} \text{₹ } 23.25 \\ - \text{₹ } 09.25 \\ \hline \text{₹ } 14.00 \end{array}$$

(b)
$$\begin{array}{r} \text{₹ } 84.50 \\ - \text{₹ } 52.35 \\ \hline \text{₹ } 32.15 \end{array}$$

(c)
$$\begin{array}{r} \text{₹ } 83.80 \\ - \text{₹ } 46.55 \\ \hline \text{₹ } 37.25 \end{array}$$

(d)
$$\begin{array}{r} \text{₹ } 90.70 \\ - \text{₹ } 68.75 \\ \hline \text{₹ } 21.95 \end{array}$$

(e)
$$\begin{array}{r} \text{₹ } 646.60 \\ - \text{₹ } 433.75 \\ \hline \text{₹ } 212.85 \end{array}$$

(f)
$$\begin{array}{r} \text{₹ } 805.50 \\ - \text{₹ } 405.75 \\ \hline \text{₹ } 399.75 \end{array}$$

(g)
$$\begin{array}{r} \text{₹ } 208.70 \\ - \text{₹ } 198.55 \\ \hline \text{₹ } 010.15 \end{array}$$

(h)
$$\begin{array}{r} \text{₹ } 543.90 \\ - \text{₹ } 265.75 \\ \hline \text{₹ } 278.15 \end{array}$$

Word Problems (Subtraction)

1. Kamal has a 100 rupees note. He spent ₹ 72 to buy toys. How much money is he left with?



$$\begin{array}{r} \text{₹ } 100 \\ - \text{₹ } 72 \\ \hline \text{₹ } 28 \end{array}$$

₹ 28

2. Seema has ₹ 150 with her. She gave ₹ 75 to her brother. Now how much money does she have?



$$\begin{array}{r} \text{₹ } 150 \\ - \text{₹ } 75 \\ \hline \text{₹ } 75 \end{array}$$

₹ 75

3. Ravi has ₹ 350. Manoj has ₹ 75.50 less than Ravi. How much money does Manoj have?



$$\begin{array}{r} \text{₹ } 350.00 \\ - \text{₹ } 75.50 \\ \hline \text{₹ } 274.50 \end{array}$$

₹ 274.50

4. A electric guitar costs ₹ 360.50. It used to cost ₹ 30 less. What was its old cost?



$$\begin{array}{r} \text{₹ } 360.50 \\ - \text{₹ } 30.00 \\ \hline \text{₹ } 330.50 \end{array}$$

₹ 330.50

5. Disha bought a gift box and gave the shopkeeper a 50-rupees note. The shopkeeper returned ₹ 16.50. How much did the drink cost?



	9
	4 10
₹	50.00
-	₹ 16.50
₹	33.50

₹ 33.50

6. Pinki bought a dress for ₹ 470. It costs thirty five rupees more than Isha's dress. What is the cost of Isha's dress?



	6 10
₹	470
-	₹ 35
₹	435

₹ 435



Creative Corner

Creativity, Problem-solving

What 6 coins are in the wallet? Draw them below :

₹ 24



Apply Your Learning

Observation, Experiential Learning, Problem-solving

- Answer with a yes or no.

(a) Can you make ₹ 23 using 3 coins?

Yes

(b) Can you make ₹ 34 using 3 coins?

No

(c) Can you make ₹ 11 using 3 coins?

Yes

Think, Solve and Learn

Critical and Logical thinking, Problem-solving

- ₹ 20 + ₹ 10 + ₹ 10 + ₹ 5 + ₹ 2 + ₹ 2 + ₹ 1 = ₹ 50
 - ₹ 20 + ₹ 10 + ₹ 5 + ₹ 5 + ₹ 5 + ₹ 2 + ₹ 2 + ₹ 1 = ₹ 50
 - ₹ 20 + ₹ 10 + ₹ 10 + ₹ 5 + ₹ 2 + ₹ 1 + ₹ 1 + ₹ 1 = ₹ 50



Basic Geometry

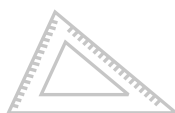


Lines

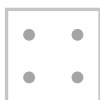
1. Do yourself.
2. Do yourself.
3. Do yourself.

Plane Shapes

1. Name the shapes :



Triangle



Square



Oval



Rectangle



Circle



Triangle



Circle



Square



Circle






Rectangle

2. Fill in the blanks :

- (a) A circle has **no** sides.
- (b) A triangle has **3** corners.
- (c) An oval has **no** corners.
- (d) A square has **4** sides and **4** corners.
- (e) A triangle has **3** sides.
- (f) A rectangle has **4** sides and **4** corners.

3. Write number of sides and corners of shape shown in the figures :

			
Sides	<u>10</u>	<u>6</u>	<u>5</u>
Corners	<u>10</u>	<u>6</u>	<u>5</u>

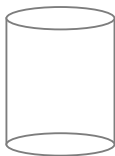
Solid Shapes

1. Write the names of solid shapes :

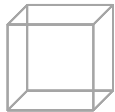
Cubes	Dice			
Cuboid	Brick	Box	Match box	Mobile Tube
Spheres	Globe	Football	Cricket Ball	
Cylinders	Jam Jar	Water Bottle	Gas Cylinder	Tank
Cones	Carrot	Cap		

2. Fill in the blanks :

(a) A Cylinder has 2 edges, **no** vertices and 3 faces.



(b) A Cube has 12 edges, 8 vertices and 6 faces.



(c) A Cone has 1 edges, 1 vertices and 2 faces.



(d) A Sphere has **no** edges, **no** vertices and **1** faces.



(e) A Cuboid has **12** edges, **8** vertices and **6** faces.



3. Fill in the blanks (cone, cube, cuboid, cylinder, sphere).

- (a) A new pencil looks like a **cylinder**.
- (b) A book looks like a **cuboid**.
- (c) A basket ball looks like a **sphere**.
- (d) An ice cube looks like a **cube**.
- (e) An ice cream cone looks like a **cone**.

Tracing Shapes

- Take the objects and trace their bases in your notebook.
Write the name of shapes you get.



Cylinder



Cuboid



Cylinder



Cube



Colour It Up

Do yourself.

Creativity, Problem-solving, Integrate with Arts

Apply Your Learning

Do yourself.

Observation, Experiential Learning, Problem-solving

Think, Solve and Learn

Do yourself.

Critical and Logical thinking, Problem-solving



Measurement



Length

1. Write measurements in the given figure.

- (a) Do yourself.
(b) Do yourself.

2. Add the lengths.

(a)

6 cm	6 cm	3 cm

6 cm
+ 6 cm
+ 3 cm
15 cm

(b)

24 cm	21 cm	20 cm

24 cm
+ 21 cm
+ 20 cm
65 cm

(c)

120 cm
+ 65 cm
185 cm

(d)

155 cm
+ 105 cm
260 cm

(e)

357 cm
+ 143 cm
500 cm

(f)

209 cm
+ 82 cm
291 cm

(g)

55 m
+ 23 m
78 m

(h)

178 m
+ 53 m
231 m

(i)

203 m
+ 89 m
292 m

(j)

348 m
+ 175 m
523 m

3. Add the following :

(a)

18	80
+ 5	30
24	10

(b)

29	45
+ 13	85
43	30

(c)

62	55
+ 18	45
81	00

(d)

16	48
+ 19	43
35	91

(e)

25	07
+ 38	02
63	09

(f)

28	56
+ 32	44
61	00

(g)

107	50
+ 82	65
190	15

(h)

113	55
+ 69	50
183	05

4. Subtract the lengths :

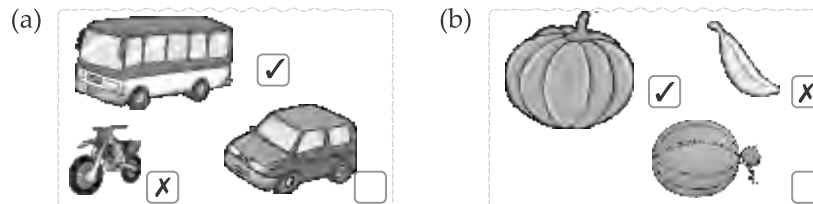
(a) $\begin{array}{r} \overset{6}{\cancel{7}}\overset{15}{8} \text{ cm} \\ - 9 \text{ cm} \\ \hline 69 \text{ cm} \end{array}$	(b) $\begin{array}{r} \overset{7}{\cancel{8}}\overset{13}{3} \text{ cm} \\ - 25 \text{ cm} \\ \hline 58 \text{ cm} \end{array}$	(c) $\begin{array}{r} \overset{4}{\cancel{1}}\overset{16}{5} \text{ m} \\ - 48 \text{ m} \\ \hline 108 \text{ m} \end{array}$	(d) $\begin{array}{r} \overset{3}{\cancel{1}}\overset{13}{4} \text{ m} \\ - 128 \text{ m} \\ \hline 015 \text{ m} \end{array}$
(e) $\begin{array}{r} \overset{6}{\cancel{7}}\overset{14}{5}\overset{11}{0} \text{ cm} \\ - 288 \text{ cm} \\ \hline 462 \text{ cm} \end{array}$	(f) $\begin{array}{r} \overset{9}{\cancel{5}}\overset{14}{0}\overset{13}{3} \text{ m} \\ - 414 \text{ m} \\ \hline 089 \text{ m} \end{array}$	(g) $\begin{array}{r} \overset{7}{\cancel{8}}\overset{10}{1}\overset{14}{4} \text{ m} \\ - 757 \text{ m} \\ \hline 057 \text{ m} \end{array}$	(h) $\begin{array}{r} \overset{9}{\cancel{9}}\overset{14}{0}\overset{13}{8} \text{ m} \\ - 579 \text{ m} \\ \hline 329 \text{ m} \end{array}$

5. Subtract the following :

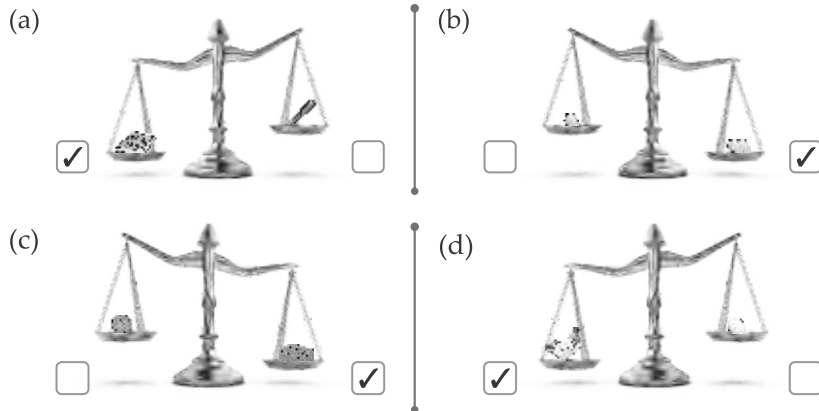
(a) $\begin{array}{r} \overset{\text{m}}{78} \overset{\text{cm}}{43} \\ - 36 \overset{\text{cm}}{22} \\ \hline 42 \overset{\text{cm}}{21} \end{array}$	(b) $\begin{array}{r} \overset{\text{m}}{30} \overset{\text{cm}}{05} \\ - 27 \overset{\text{cm}}{38} \\ \hline 12 \overset{\text{cm}}{67} \end{array}$	(c) $\begin{array}{r} \overset{\text{m}}{16} \overset{\text{cm}}{38} \\ - 12 \overset{\text{cm}}{46} \\ \hline 03 \overset{\text{cm}}{92} \end{array}$	(d) $\begin{array}{r} \overset{\text{m}}{98} \overset{\text{cm}}{65} \\ - 83 \overset{\text{cm}}{78} \\ \hline 14 \overset{\text{cm}}{87} \end{array}$
(e) $\begin{array}{r} \overset{\text{m}}{80} \overset{\text{cm}}{30} \\ - 40 \overset{\text{cm}}{56} \\ \hline 39 \overset{\text{cm}}{74} \end{array}$	(f) $\begin{array}{r} \overset{\text{m}}{102} \overset{\text{cm}}{58} \\ - 78 \overset{\text{cm}}{62} \\ \hline 023 \overset{\text{cm}}{96} \end{array}$	(g) $\begin{array}{r} \overset{\text{m}}{123} \overset{\text{cm}}{60} \\ - 56 \overset{\text{cm}}{75} \\ \hline 066 \overset{\text{cm}}{85} \end{array}$	(h) $\begin{array}{r} \overset{\text{m}}{189} \overset{\text{cm}}{75} \\ - 98 \overset{\text{cm}}{25} \\ \hline 091 \overset{\text{cm}}{50} \end{array}$
(i) $\begin{array}{r} \overset{\text{m}}{576} \overset{\text{cm}}{00} \\ - 409 \overset{\text{cm}}{00} \\ \hline 167 \overset{\text{cm}}{00} \end{array}$	(j) $\begin{array}{r} \overset{\text{m}}{172} \overset{\text{cm}}{23} \\ - 88 \overset{\text{cm}}{75} \\ \hline 083 \overset{\text{cm}}{48} \end{array}$	(k) $\begin{array}{r} \overset{\text{m}}{192} \overset{\text{cm}}{00} \\ - 89 \overset{\text{cm}}{78} \\ \hline 102 \overset{\text{cm}}{22} \end{array}$	(l) $\begin{array}{r} \overset{\text{m}}{156} \overset{\text{cm}}{43} \\ - 65 \overset{\text{cm}}{87} \\ \hline 090 \overset{\text{cm}}{56} \end{array}$

Weight

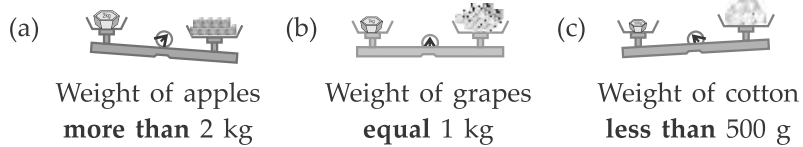
1. Tick (✓) the heaviest and cross (X) the lightest :



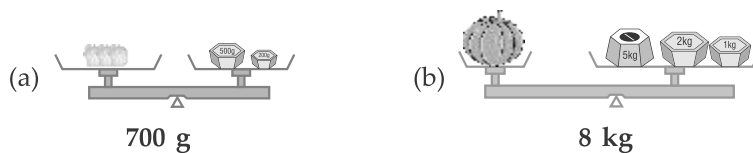
2. Tick (✓) the object which is heavier :



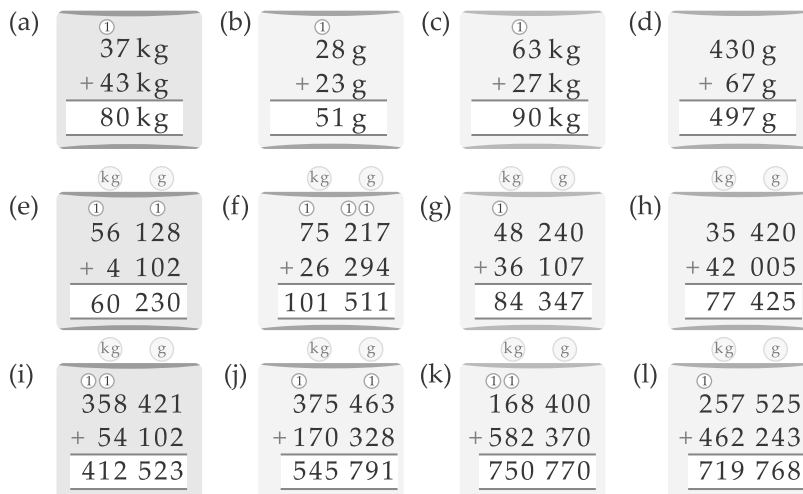
1. Fill in the blanks using 'more than', 'less than' or 'equal' :



2. Write the weights :



3. Add the following :



4. Subtract the following :

(a)
$$\begin{array}{r} 385 \text{ g} \\ - 260 \text{ g} \\ \hline 125 \text{ g} \end{array}$$

(b)
$$\begin{array}{r} 480 \text{ g} \\ - 255 \text{ g} \\ \hline 225 \text{ g} \end{array}$$

(c)
$$\begin{array}{r} 68 \text{ kg} \\ - 42 \text{ kg} \\ \hline 26 \text{ kg} \end{array}$$

(d)
$$\begin{array}{r} 75 \text{ kg} \\ - 28 \text{ kg} \\ \hline 47 \text{ kg} \end{array}$$

(e)
$$\begin{array}{r} 24125 \\ - 9025 \\ \hline 15100 \end{array}$$

(f)
$$\begin{array}{r} 38750 \\ - 24250 \\ \hline 14500 \end{array}$$

(g)
$$\begin{array}{r} 60270 \\ - 40150 \\ \hline 20120 \end{array}$$

(h)
$$\begin{array}{r} 88760 \\ - 69780 \\ \hline 18980 \end{array}$$

(i)
$$\begin{array}{r} 567240 \\ - 160100 \\ \hline 407140 \end{array}$$

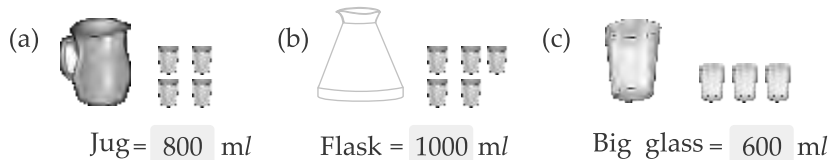
(j)
$$\begin{array}{r} 756850 \\ - 266650 \\ \hline 489900 \end{array}$$

(k)
$$\begin{array}{r} 127180 \\ - 89275 \\ \hline 037875 \end{array}$$

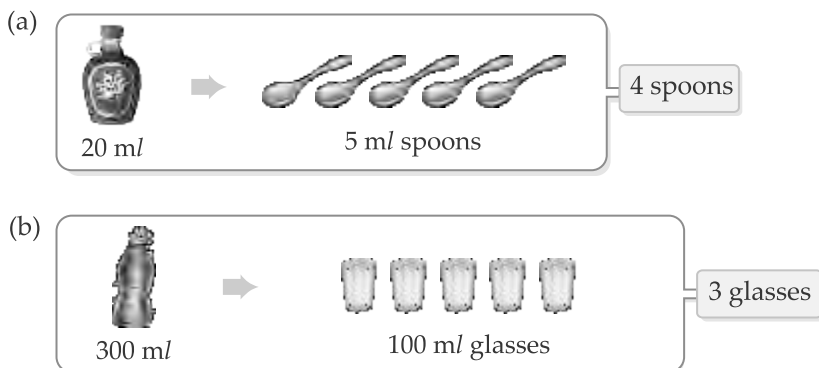
(l)
$$\begin{array}{r} 860123 \\ - 563413 \\ \hline 296710 \end{array}$$


Capacity


1. Write the capacity of vessel as per number of glasses. Each glass hold 200 ml.




2. Write, how many can you fill?









(c)  600 ml 150 ml cups 4 cups

(d)  1 litre 250 ml glasses 4 glasses

(e)  12 litre 2 litre bottles 6 bottles

3. Write L or ml.

- (a)  A bowl of soup ml (b)  A jug of water L
- (c)  An oil can L (d)  A glass of milk ml
- (e)  Medicine in a teaspoon ml (f)  A can of cola ml

4. Add the following :

(a)
$$\begin{array}{r} \textcircled{1} \\ 85 \text{ ml} \\ + 56 \text{ ml} \\ \hline 141 \text{ ml} \end{array}$$
 (b)
$$\begin{array}{r} \textcircled{1} \\ 8 \text{ L} \\ + 32 \text{ L} \\ \hline 40 \text{ L} \end{array}$$
 (c)
$$\begin{array}{r} \textcircled{1} \\ 36 \text{ ml} \\ + 57 \text{ ml} \\ \hline 93 \text{ ml} \end{array}$$
 (d)
$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 176 \text{ L} \\ + 27 \text{ L} \\ \hline 203 \text{ L} \end{array}$$

(e)
$$\begin{array}{r} \textcircled{L} \quad \textcircled{ml} \\ \textcircled{1} \\ 21 \quad 150 \\ + 9 \quad 225 \\ \hline 30 \quad 375 \end{array}$$
 (f)
$$\begin{array}{r} \textcircled{L} \quad \textcircled{ml} \\ \textcircled{1} \\ 37 \quad 500 \\ + 25 \quad 200 \\ \hline 62 \quad 700 \end{array}$$
 (g)
$$\begin{array}{r} \textcircled{L} \quad \textcircled{ml} \\ \textcircled{1} \textcircled{1} \quad \textcircled{1} \\ 65 \quad 650 \\ + 56 \quad 560 \\ \hline 122 \quad 210 \end{array}$$
 (h)
$$\begin{array}{r} \textcircled{L} \quad \textcircled{ml} \\ \textcircled{1} \quad \textcircled{1} \\ 78 \quad 525 \\ + 12 \quad 125 \\ \hline 90 \quad 650 \end{array}$$

(i)
$$\begin{array}{r} \textcircled{1} \\ 200.500 \text{ L} \\ + 78.500 \text{ L} \\ \hline 279.000 \text{ L} \end{array}$$
 (j)
$$\begin{array}{r} \textcircled{1} \textcircled{1} \textcircled{1} \quad \textcircled{1} \\ 185.625 \text{ L} \\ + 86.425 \text{ L} \\ \hline 272.050 \text{ L} \end{array}$$
 (k)
$$\begin{array}{r} \textcircled{1} \textcircled{1} \quad \textcircled{1} \\ 374.525 \text{ L} \\ + 118.708 \text{ L} \\ \hline 493.233 \text{ L} \end{array}$$
 (l)
$$\begin{array}{r} \textcircled{1} \textcircled{1} \quad \textcircled{1} \textcircled{1} \\ 458.175 \text{ L} \\ + 175.225 \text{ L} \\ \hline 633.400 \text{ L} \end{array}$$

5. Subtract the following :

- (a)
$$\begin{array}{r} 540 \text{ ml} \\ - 140 \text{ ml} \\ \hline 400 \text{ ml} \end{array}$$
- (b)
$$\begin{array}{r} 28 \text{ L} \\ - 15 \text{ L} \\ \hline 13 \text{ L} \end{array}$$
- (c)
$$\begin{array}{r} 755 \text{ ml} \\ - 375 \text{ ml} \\ \hline 380 \text{ ml} \end{array}$$
- (d)
$$\begin{array}{r} 178 \text{ L} \\ - 99 \text{ L} \\ \hline 079 \text{ L} \end{array}$$
- (e)
$$\begin{array}{r} 32750 \\ - 11600 \\ \hline 21150 \end{array}$$
- (f)
$$\begin{array}{r} 48500 \\ - 25250 \\ \hline 23250 \end{array}$$
- (g)
$$\begin{array}{r} 78630 \\ - 59780 \\ \hline 18850 \end{array}$$
- (h)
$$\begin{array}{r} 98515 \\ - 89075 \\ \hline 09440 \end{array}$$
- (i)
$$\begin{array}{r} 327.925 \text{ L} \\ - 26.816 \text{ L} \\ \hline 301.109 \text{ L} \end{array}$$
- (j)
$$\begin{array}{r} 240.250 \text{ L} \\ - 118.050 \text{ L} \\ \hline 092.200 \text{ L} \end{array}$$
- (k)
$$\begin{array}{r} 315.132 \text{ L} \\ - 140.043 \text{ L} \\ \hline 175.089 \text{ L} \end{array}$$
- (l)
$$\begin{array}{r} 430.403 \text{ L} \\ - 397.380 \text{ L} \\ \hline 033.023 \text{ L} \end{array}$$

Word Problems

1. A box is 48 cm high. Another box 34 cm high is placed on it. What is the total height of the boxes?



$$\begin{array}{r} 48 \text{ cm} \\ + 34 \text{ cm} \\ \hline 82 \text{ cm} \end{array}$$

2. Mrs. Sharma gave a tailor 60 metres of clothes. Tailor used 47 metre of cloth. How much cloth did he return ?



$$\begin{array}{r} 60 \text{ m} \\ - 47 \text{ m} \\ \hline 13 \text{ m} \end{array}$$

3. Bittu is weighing namkeen chana. He used weights of 500 g and 50 g. How much do the namkeen weights?



$$\begin{array}{r} 500 \text{ g} \\ + 50 \text{ g} \\ \hline 550 \text{ g} \end{array}$$

4. A box weighs 16 kg and a bag weighs 9 kg. What is the difference in their weights?



$$\begin{array}{r} 16 \text{ kg} \\ - 9 \text{ kg} \\ \hline 7 \text{ kg} \end{array}$$

5. Anu had 250 ml of milk in the morning and 225 ml in the evening. How much milk did she have in all?



$$\begin{array}{r} 250 \text{ ml} \\ + 225 \text{ ml} \\ \hline 475 \text{ ml} \end{array}$$

6. The juice from a box of 500 ml is filled in a glass of capacity 275 ml. How much juice did the box have?



$$\begin{array}{r} 500 \text{ ml} \\ - 275 \text{ ml} \\ \hline 225 \text{ ml} \end{array}$$



Colour It Up

Creativity, Problem-solving, Integrate with Arts

Do yourself.

Apply Your Learning

Observation, Experiential Learning, Problem-solving

100 cupcakes

Think, Solve and Learn

Critical and Logical thinking, Problem-solving

$$\begin{array}{r} \text{L} \quad \text{ml} \\ 1 \text{ L } 750 \text{ ml} \\ - 5250 \text{ ml} \\ \hline 1750 \text{ ml} \end{array}$$

= 1 L 750 ml water

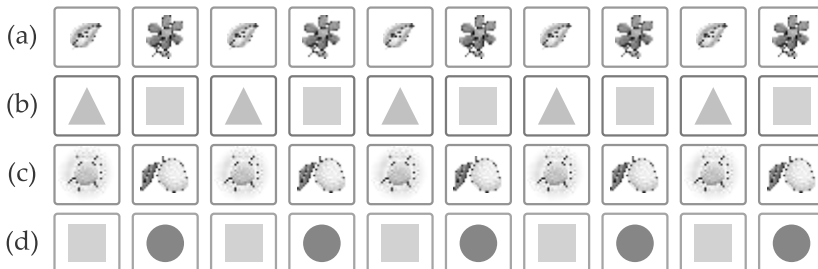


Pattern

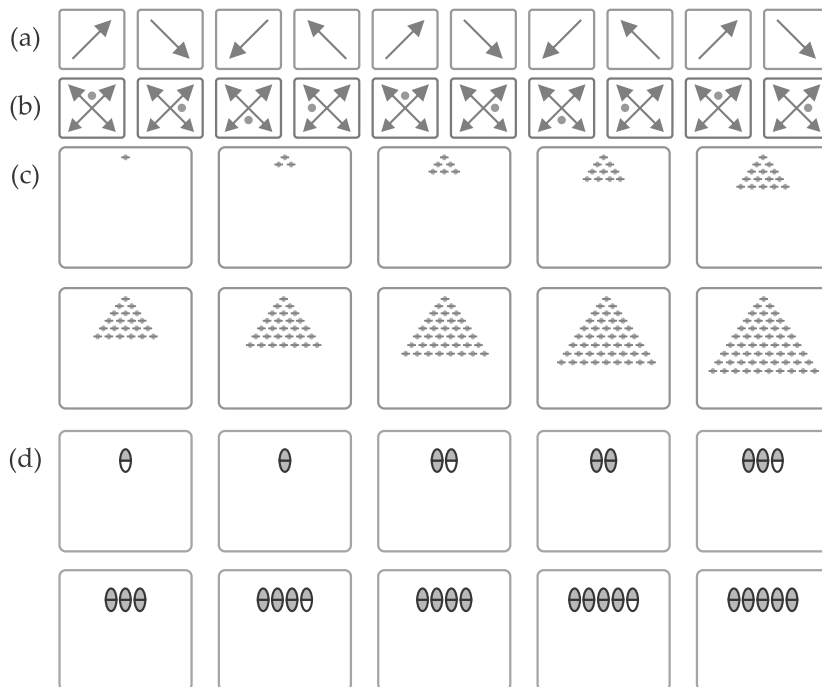


Pattern

1. Carry on the pattern :



2. Carry on the pattern :



Number Patterns

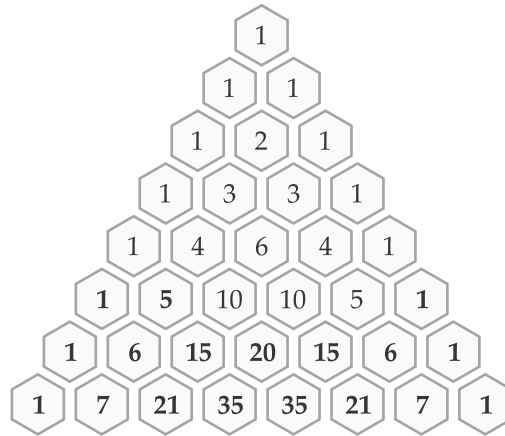
1. Carry on the pattern :

(a)	5	10	15	20	25	30	35	40	45	50
(b)	10	20	30	40	50	60	70	80	90	100
(c)	45	48	51	54	57	60	63	66	69	72
(d)	100	90	80	70	60	50	40	30	20	10

2. Carry on the pattern :

(a)	8	12	16	20	24	28	32	36	40	44
(b)	60	54	48	42	36	30	24	18	12	6
(c)	763	773	783	793	803	813	823	833	843	853
(d)	275	280	285	290	295	300	305	310	315	320
(e)	888	883	878	873	868	863	858	853	848	843

3. Carry on the pattern :



Letter Patterns

1. Carry on the pattern :

- (a) AB BC CD DE EF FG GH HI IJ JK
 (b) A BB C DD E FF G HH I JJ
 (c) AaB BbC CcD DdE EeF FfG GgH HhI IiJ JjK
 (d) a c f h k m p r u w

2. Identify the rule in the following and extend them :

- (a) AZ BY CX DW EV FU
 (b) PQR RPQ QRP PQR RPQ QRP
 (c) OTTT OTT OTTT OTT OTTT OTT
 (d) SAW WAS SAW WAS SAW WAS



Colour It Up

Creativity, Problem-solving, Integrate with Arts

Do yourself.

Apply Your Learning

Observation, Experiential Learning, Problem-solving

Do yourself.

Think, Solve and Learn

Critical and Logical thinking, Problem-solving

Number Pattern = 38 48 58 68 78 88 98 108 118 128

Third position Number = 58

Sixth position Number = 88



Data Handling



Data and Data Handling

- 98, 108, 110, 110, 111, 112, 112, 113, 115, 116 cm
- The following picture shows the favourite subjects of class 2 students.

Mathematics	       
English	   
Science	     
Social Science	     
Hindi	  

Here each  stands for 5 students. Then answer the following questions.

- Which is the most popular subject? **Mathematics**
- Which is the least popular subject? **Hindi**
- How many students like science? **$6 \times 5 = 30$ students**
- Total number of students who like English and Hindi?

$$4 \times 5 + 3 \times 5 = 20 + 15$$

$$= 35 \text{ students}$$

- Total number of students in class-2? **$27 \times 5 = 135$ students**



Creative Corner

Creativity, Problem-solving

Do yourself.

Apply Your Learning

Observation, Discussion-based Learning, Enquiry-based Learning

Do yourself.

Think, Solve and Learn

Critical and Logical thinking, Problem-solving

Red flowers = 100

Pink flowers = $100 + 200 = 300$

Yellow flowers = $300 + 200 = 500$

White flowers = $500 + 300 + 100 - 400$
 $= 900 - 400$
 $= 500$

\therefore Yellow flowers and white flowers are same number.