

Key to
LIGHT WEIGHT
SERIES

Mathematics
Book - I to IV
STD - III

Teacher's Copy

NAVJEEVAN PUBLICATIONS PVT. LTD.
EDUCATIONAL PUBLISHERS



MUMBAI

4940/1B, Dhobiwadi, Dr. Jaykar Marg, Opp. Datta Mandir, Thakurdwar,
Mumbai - 400 002.

Only Calling: 8291852601

Calling & Whatsapp: 9322531798 / 8291852631 / 8291972352

Website: www.navjeevanpublications.com

Enquiries: info@navjeevanpublications.com

Sales: acc.nppl@gmail.com

PUNE

470 /471, Raviwar Peth, Nandan Residency, 1st Floor,
Phadke Haud, Pune - 411 002.

Tel.: (020) 24432951 / 7066835645

CONTENTS















Sr. No.	Chapter Name	Pg. No.
Book - I		
Part - I		
1.	Introduction to Geometrical Figures	3
2	Number Work	4
Book - II		
3.	Addition without Carrying Over	25
4.	Subtraction without Borrowing	29
5.	Multiplication	31
6.	Coins and Currency Notes	38
7.	Measurement	40
Book - III		
Part - II		
1.	Patterns	42
2.	Symmetry	44
3.	Addition by Carrying Over	45
4.	Subtraction by Borrowing	51
5.	Multiplication	59
Book - IV		
6.	Division	65
7.	Measurement of Time	67
8.	The Calendar	68
9.	Fractions	68
10.	Handling Data	70

BOOK - I

Part - I

1. Introduction to Geometrical Figures

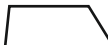




F. A. – Class Work

Pictures	Figure	Name
		Triangle
		Square
		Rectangle
		Circle
		Rectangle
		Square
		Circle

2. Fill in the blanks :

(1) four, (2) equal, (3) four, (4) four, (5) equal, (6) four, (7) three, (8) three, (9) equal, (10) quadrilateral.

S.A. – Class Work

Figure	Name of the figure	Number of edges	Number of corners	Number of sides
	quadrilateral	4	4	4
	rectangle	4	4	4
	square	4	4	4
	triangle	3	3	3
	circle	0	0	0

2. (1) 3 triangle, (2) No, (3) Yes, (4) No, (5) One square and one quadrilateral.

2. Number Work

F. A. – Class Work

1. [To be done by students.]

2.

In words	In figures	In figures	In words
Sixty - one	13	21	Forty - seven
Nineteen	16	74	Eighty - eight
Fourteen	31	53	Twelve
Sixteen	41	88	Thirty - five
Thirteen	14	47	Twenty - one
Forty - one	61	35	Seventy - four
Thirty - one	19	12	Fifty - three

3.

- | | |
|------------------------------|------------------------------|
| (a) 38 - thirty-eight | (i) Twelve - 12 |
| (b) 59 - fifty-nine | (j) Twenty-two - 22 |
| (c) Thirteen - 13 | (k) 11 - eleven |
| (d) Twenty-Seven - 27 | (l) 18 - eighteen |
| (e) One hundred - 100 | (m) 30 - thirty |
| (f) 93 - ninety-three | (n) 19 - nineteen |
| (g) 84 - eight-four | (o) Seventy-nine - 79 |
| (h) Sixty-six - 66 | (p) Three - 3 |

Home Work

4.

26	twenty-six	27	twenty-seven
-----------	------------	-----------	--------------

28	twenty-eight	29	twenty-nine
-----------	--------------	-----------	-------------

30	thirty	31	thirty-one
32	thirty-two	33	thirty-three
34	thirty-four	35	thirty-five
36	thirty-six	37	thirty-seven
38	thirty-eight	39	thirty-nine
40	forty	41	forty-one
42	forty-two	43	forty-three
44	forty-four	45	forty-five
46	forty-six	47	forty-seven
48	forty-eight	49	forty-nine
50	fifty	51	fifty-one
52	fifty-two	53	fifty-three
54	fifty-four	55	fifty-five
56	fifty-six	57	fifty-seven
58	fifty-eight	59	fifty-nine
60	sixty	61	sixty-one
62	sixty-two	63	sixty-three
64	sixty-four	65	sixty-five
66	sixty-six	67	sixty-seven
68	sixty-eight	69	sixty-nine
70	seventy	71	seventy-one

72	seventy-two	73	seventy-three
74	seventy-four	75	seventy-five
76	seventy-six	77	seventy-seven
78	seventy-eight	79	seventy-nine
80	eighty	81	eighty-one
82	eighty-two	83	eighty-three
84	eighty-four	85	eighty-five
86	eighty-six	87	eighty-seven
88	eighty-eight	89	eighty-nine
90	ninety	91	ninety-one
92	ninety-two	93	ninety-three
94	ninety-four	95	ninety-five
96	ninety-six	97	ninety-seven
98	ninety-eight	99	ninety-nine

S.A. – Class Work

1. (a)

- (1) Forty - one **41** (2) Sixty - two **62**
(3) Eighty - seven **87** (4) Seventeen **17**
(5) Ninety - eight **98** (6) Forty - seven **47**

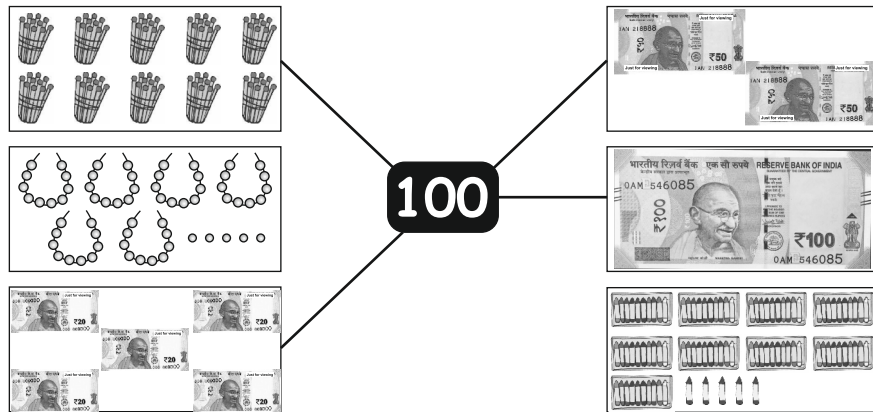
(b)

- (1) 63 - **sixty-three** (2) 81 - **eighty-one**
(3) 79 - **seventy-nine** (4) 73 - **seventy-three**

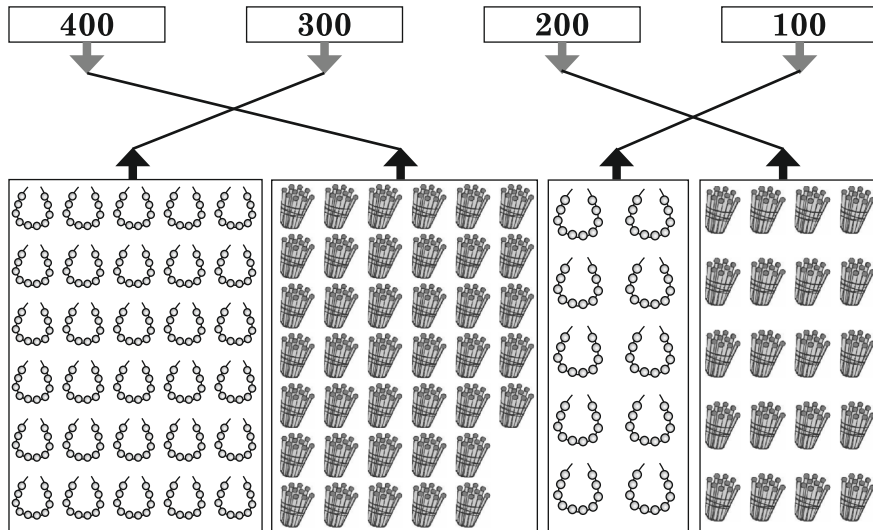
Introducing 'Hundred'

F. A. – Activity

1.

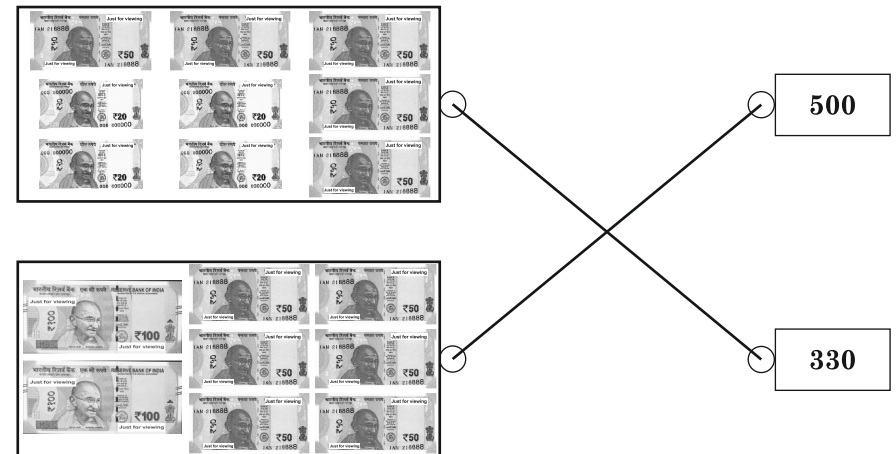
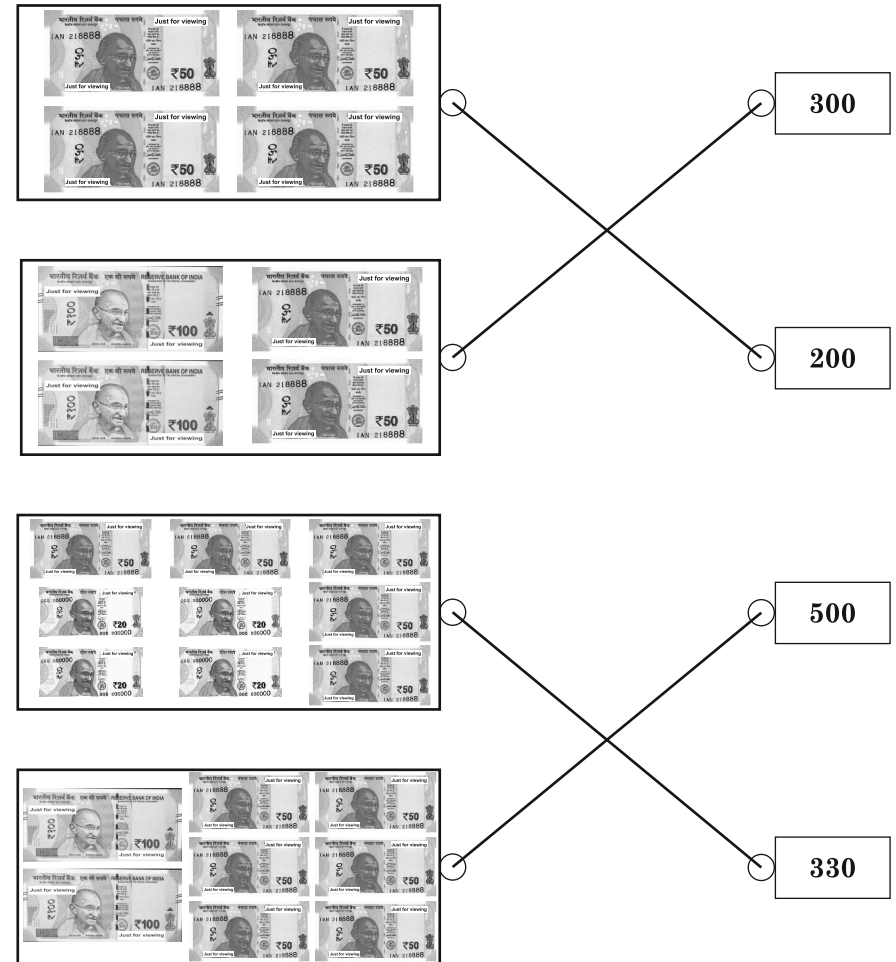


2.



S.A. – Activity

1.



Three-digit numbers : Introduction

F.A. – Class Work

1.

Chalks	Hundreds	Tens	Units	Number	
				In figures	In words
	1	0	1	101	A hundred and one
	1	0	2	102	A hundred and two
	1	0	3	103	A hundred and three
	1	0	4	104	A hundred and four
	1	0	5	105	A hundred and five
	1	0	6	106	A hundred and six
	1	0	7	107	A hundred and seven
	1	0	8	108	A hundred and eight
	1	0	9	109	A hundred and nine
	1	1	0	110	A hundred and ten

F.A. – Oral

2.

6 (111) (420) 77 (866) (642) (255)

19 18 28 64 1 25 (160)

(457) (265) (222) 10 (107) (107) 5

F.A. – Home Work

3.

705			623			950			545		
H	T	U	H	T	U	H	T	U	H	T	U
7	0	5	6	2	3	9	5	0	5	4	5
497			831			985			465		
H	T	U	H	T	U	H	T	U	H	T	U
4	9	7	8	3	1	9	8	5	4	6	5

4.

H	T	U	H	T	U	H	T	U
6	7	9	8	7	6	2	5	9
679			876			259		
H	T	U	H	T	U	H	T	U
5	1	2	2	5	1	3	2	3
512			251			323		

S.A. – Class Work

1.

504			326			860			505		
H	T	U	H	T	U	H	T	U	H	T	U
5	0	4	3	2	6	8	6	0	5	0	5
794			111			484			705		
H	T	U	H	T	U	H	T	U	H	T	U
7	9	4	1	1	1	4	8	4	7	0	5
249			137			900			785		
H	T	U	H	T	U	H	T	U	H	T	U
2	4	9	1	3	7	9	0	0	7	8	5

2.

H	T	U	H	T	U	H	T	U
5	7	9	9	6	5	4	7	8
579			965			478		

H	T	U	H	T	U	H	T	U
6	0	3	3	4	0	5	4	3
603			340			543		

3.

H	T	U	H	T	U	H	T	U
8	7	5	1	0	3	2	4	0
875			103			240		

H	T	U	H	T	U	H	T	U
5	3	7	3	2	8	4	1	9
537			328			419		

4.

		254	Two hundred and fifty four
		617	Six hundred and seventeen
		431	Four hundred and thirty one
		762	Seven hundred and sixty two
		811	Eight hundred and eleven
		580	Five hundred and eighty
		469	Four hundred and sixty nine
		107	One hundred and seven

F.A. – Oral

1.

101	211	321	431	541	651	761	871	981
102	212	322	432	542	652	762	872	982
103	213	323	433	543	653	763	873	983
104	214	324	434	544	654	764	874	984
105	215	325	435	545	655	765	875	985
106	216	326	436	546	656	766	876	986
107	217	327	437	547	657	767	877	987
108	218	328	438	548	658	768	878	988
109	219	329	439	549	659	769	879	989
110	220	330	440	550	660	770	880	990

F.A. – Class Work

2.

	132, 123 213, 231 312, 221
	305, 350 503, 530
	234, 243 324, 342 432, 423
	423, 432 243, 234 324, 342

The Number before / The Number after

F.A. – Class Work

1.

(i) 105, **106** (ii) 220, **221** (iii) 409, **410** (iv) 219, **220** (v) 277, **278**

2.

(i) **399**, 400 (ii) **106**, 107 (iii) **217**, 218 (iv) **109**, 110 (v) **223**, 224

3.

(i) **118**, 119, **120** (ii) **199**, 200, **201**

(iii) **390**, 391, **392** (iv) **398**, 399, **400**

(v) **199**, 200, **201** (vi) **706**, 707, **708**

4.

(i) 555, **556**, **557**, **558** (ii) 399, **400**, **401**, **402**

(iii) 287, **288**, **289**, **290** (iv) 87, **88**, **89**, **90**

5.

(i) **297**, **298**, **299**, 300 (ii) **252**, **253**, **254**, 255

(iii) **142**, **143**, **144**, 145 (iv) **122**, **123**, **124**, 125

S.A. – Class Work

1.

(1) **436** (2) **434** (3) **1** (4) **1**

2.

(i) **101**, 102, **103** (ii) **390**, 391, **392**

(iii) **200**, 201, **202** (iv) **799**, 800, **801**

(v) **248**, 249, **250** (vi) **706**, 707, **708**

(vii) **684**, 685, **686**

(viii) **524**, 525, **526**

(ix) **498**, 499, **500**

(x) **99**, 100, **101**

(xi) **118**, 119, **120**

(xii) **249**, 250, **251**

(xiii) **238**, 239, **240**

(xiv) **552**, 553, **554**

(xv) **814**, 815, **816**

(xvi) **455**, 456, **457**

S.A. – Home Work

1.

(i) 444, **445**, **446**, **447** (ii) 99, **100**, **101**, **102**

(iii) 199, **200**, **201**, **202** (iv) 127, **128**, **129**, **130**

(v) 325, **326**, **327**, **328** (vi) 254, **255**, **256**, **257**

(vii) 555, **556**, **557**, **558** (viii) 511, **512**, **513**, **514**

(ix) 399, **400**, **401**, **402** (x) 420, **421**, **422**, **423**

(xi) 275, **276**, **277**, **278** (xii) 317, **318**, **319**, **320**

2.

(i) **617**, **618**, **619**, 620 (ii) **497**, **498**, **499**, 500

(iii) **304**, **305**, **306**, 307 (ii) **296**, **297**, **298**, 299

(v) **102**, **103**, **104**, 105 (vi) **217**, **218**, **219**, 220

(vii) **387**, **388**, **389**, 390 (viii) **598**, **599**, **600**, 601

(ix) **422**, **423**, **424**, 425 (x) **247**, **248**, **249**, 250

(xi) **707**, **708**, **709**, 710 (xii) **847**, **848**, **849**, 850

Using symbols $<$ $>$ to show smaller and bigger

F.A. – Oral

1.

Number	8, 2	77, 59	39, 9	14, 35	67, 32
Smaller Number	2	59	9	14	32
Bigger Number	8	77	39	35	67

F.A. – Class Work

2.

387 $>$ 366	627 $>$ 607	687 $<$ 786
498 $<$ 576	585 $>$ 558	543 $>$ 345
843 $=$ 843	469 $<$ 696	295 $>$ 259
773 $<$ 787	90 $<$ 100	75 $>$ 57
603 $<$ 630	587 $>$ 578	613 $<$ 813
985 $>$ 885	843 $>$ 834	911 $>$ 119
500 $>$ 499	500 $>$ 200	86 $>$ 65
30 $<$ 40	717 $<$ 771	555 $<$ 666
105 $<$ 115	110 $<$ 210	820 $>$ 420

F.A. – Activity

1.

(627) , 267	313 , (331)	90 , (190)	(770) , 707
(696) , 669	(100) , 98	31 , (103)	136 , (613)

2.

(92) , 291	(268) , 286	(194) , 914	560 , (506)
830 , (730)	(450) , 459	(738) , 768	584 , (148)

S.A. – Home Work

1.

427 $>$ 267	150 $<$ 501	600 $>$ 400
500 $>$ 300	813 $>$ 79	300 $<$ 624
10 $>$ 9	9 $<$ 10	5 $>$ 3
3 $<$ 5	693 $>$ 639	175 $<$ 507
50 $>$ 49	49 $<$ 50	23 $<$ 25
73 $<$ 75	294 $<$ 429	922 $>$ 122
624 $>$ 462	500 $>$ 499	499 $<$ 500

Ascending and Descending order

F.A. – Class Work

1.

Numbers	Ascending order	Descending order
55, 63, 40, 80	40, 55, 63, 80	80, 63, 55, 40
25, 37, 49, 52	25, 37, 49, 52	52, 49, 37, 25
69, 9, 59, 70	9, 59, 69, 70	70, 69, 59, 9
7, 38, 28, 18	7, 18, 28, 38	38, 28, 18, 7
14, 29, 47, 39	14, 29, 39, 47	47, 39, 29, 14
42, 89, 32, 63	32, 42, 63, 89	89, 63, 42, 32

2.

Number	Ascending order	Descending order
117, 69, 50, 8	8, 50, 69, 117	117, 69, 50, 8
912, 27, 356	27, 356, 912	912, 356, 27
88, 78, 75	75, 78, 88	88, 78, 75
888, 788, 688	688, 788, 888	888, 788, 688
217, 271, 270	217, 270, 271	271, 270, 217
315, 215, 515	215, 315, 515	515, 315, 215
500, 501, 499	499, 500, 501	501, 500, 499
105, 107, 101, 102	101, 102, 105, 107	107, 105, 102, 101
365, 73, 12, 116	12, 73, 116, 365	365, 116, 73, 12
527, 8, 324, 63	8, 63, 324, 528	527, 324, 63, 8
285, 407, 589, 360	285, 360, 407, 589,	589, 407, 360, 285

S.A. – Class Work

1.

(1) Ascending order

909	990	999
-----	-----	-----

Descending order

999	990	909
-----	-----	-----

(2) Ascending order

312	321	324
-----	-----	-----

Descending order

324	321	312
-----	-----	-----

(3) Ascending order

928	947	958
-----	-----	-----

Descending order

958	947	928
-----	-----	-----

(4) Ascending order

660	666	669
-----	-----	-----

Descending order

669	666	660
-----	-----	-----

(5) Ascending order

419	519	619
-----	-----	-----

Descending order

619	519	419
-----	-----	-----

(6) Ascending order

757	785	857
-----	-----	-----

Descending order

857	785	757
-----	-----	-----

(7) Ascending order

400	500	600
-----	-----	-----

Descending order

600	500	400
-----	-----	-----

(8) Ascending order

211	215	217
-----	-----	-----

Descending order

217	215	211
-----	-----	-----

(9) Ascending order

134	314	413
-----	-----	-----

Descending order

413	314	134
-----	-----	-----

Biggest and smallest numbers from given digits

F.A. – Class Work

1.

Digit	Number	Biggest	Smallest
(1) 9, 1, 3	913, 931, 193, 139, 391, 319	931	139
(2) 9, 4, 6	946, 964, 496, 469, 694, 649	964	469
(3) 7, 0, 4	704, 407, 470, 740	740	704
(4) 3, 9, 5	395, 593, 935, 953, 539, 593	953	395
(5) 8, 5, 9	859, 958, 589, 598, 985, 958	985	589

2.

Digit	Smallest	Biggest	Digit	Smallest	Biggest
(1) 5, 3, 4	345	543	(2) 2, 9, 5	259	952
(3) 0, 4, 6	406	604	(4) 8, 0, 3	308	803
(5) 1, 7, 5	175	751	(6) 2, 8, 6	268	862

F.A. – Oral

3.

- (a) 178 (138) 169 151 175 139
- (b) 350 362 374 385 (349) 370
- (c) 243 (234) 245 255 240 235
- (d) 526 562 531 (513) 528 582
- (e) 492 429 469 496 491 (419)
- (f) 785 775 758 765 (756) 757

4.

- (a) 254 257 245 (274) 260
- (b) 678 687 679 (688) 685
- (c) (595) 559 549 594 589
- (d) 382 (385) 379 380 384
- (e) 915 909 914 (916) 900
- (f) 423 429 (432) 430 431

S.A. – Class Work

1.

- (i) (245) Smallest (ii) (423) Smallest (iii) (161) Smallest
- | | | |
|---------------|---------------|---------------|
| 254 | 423 | 169 |
| 274 257 245 | 431 429 432 | 168 161 167 |
| 260 | 430 | 165 |
| (274) Biggest | (432) Biggest | (169) Biggest |
-
- (iv) (507) Smallest (v) (948) Smallest (vi) (398) Smallest
- | | | |
|---------------|---------------|---------------|
| 509 | 951 | 837 |
| 512 507 511 | 948 949 952 | 983 893 398 |
| 508 | 950 | 839 |
| (512) Biggest | (952) Biggest | (983) Biggest |
-
- (vii) (187) Smallest (viii) (636) Smallest (ix) (401) Smallest
- | | | |
|---------------|---------------|---------------|
| 718 | 678 | 401 |
| 871 781 187 | 676 687 636 | 412 420 463 |
| 817 | 658 | 437 |
| (871) Biggest | (687) Biggest | (463) Biggest |

	Smallest number	Biggest number
2. (1) 7, 1, 8	178	871
(2) 6, 4, 3	346	643
(3) 9, 5, 6	569	965
(4) 8, 0, 3	308	803
(5) 5, 9, 0	509	905
(6) 2, 8, 1	128	821
(7) 3, 7, 5	357	753

3.

4, 1, 3,	413	•	431	•	134	•	143	•	341	•	314
7, 4, 6	746	•	764	•	467	•	476	•	674	•	643
0, 7, 5	750	•	705	•	507	•	570	•	075	•	057
6, 3, 9	639	•	693	•	396	•	369	•	963	•	936
4, 8, 2	482	•	428	•	824	•	842	•	248	•	284

4.

9, 1, 7	917	•	971	•	179	•	197	•	791	•	719
6, 0, 1	601	•	610	•	160	•	106	•	016	•	061
2, 6, 0	260	•	206	•	602	•	620	•	026	•	062
3, 0, 2	302	•	320	•	230	•	203	•	023	•	032
4, 5, 2	452	•	425	•	524	•	542	•	245	•	254
3, 8, 2	382	•	832	•	238	•	283	•	328	•	823

The expanded form of a number

F.A. – Class Work

1.

(1) 13 -	10 + 3	(10) 208 -	200 + 0 + 8
(2) 45 -	40 + 5	(11) 390 -	300 + 90 + 0
(3) 90 -	90 + 0	(12) 999 -	900 + 90 + 9
(4) 301 -	300 + 0 + 1	(13) 663 -	600 + 60 + 3
(5) 76 -	70 + 6	(14) 998 -	900 + 90 + 8
(6) 534 -	500 + 30 + 4	(15) 366 -	300 + 60 + 6
(7) 287 -	200 + 80 + 7	(16) 34 -	30 + 4
(8) 44 -	40 + 4	(17) 125 -	100 + 20 + 5
(9) 99 -	90 + 9	(18) 177 -	100 + 70 + 7

2.

$$(1) 30 + 9 = \boxed{39}$$

$$(2) 500 + 60 + 7 = \boxed{567}$$

$$(3) 300 + 20 + 7 = \boxed{327}$$

$$(4) 600 + 60 + 0 = \boxed{660}$$

$$(5) 800 + 0 + 7 = \boxed{807}$$

$$(6) 400 + 60 + 7 = \boxed{467}$$

$$(7) 300 + 0 + 9 = \boxed{309}$$

$$(8) 100 + 50 + 0 = \boxed{150}$$

3.

$$(1) \begin{array}{r} \underline{9}19 \\ - 900 \\ \hline \end{array}$$

$$(2) \begin{array}{r} 2\underline{0} \\ - 0 \\ \hline \end{array}$$

$$(3) \begin{array}{r} 1\underline{3}5 \\ - 30 \\ \hline \end{array}$$

$$(9) 200 + 0 + 8 = \boxed{208}$$

$$(10) 300 + 90 + 0 = \boxed{390}$$

$$(11) 700 + 0 + 5 = \boxed{705}$$

$$(12) 200 + 10 + 1 = \boxed{211}$$

$$(13) 300 + 0 + 6 = \boxed{306}$$

$$(14) 700 + 10 + 8 = \boxed{718}$$

$$(15) 900 + 20 + 6 = \boxed{926}$$

$$(16) 40 + 4 = \boxed{44}$$

$$(4) \begin{array}{r} \underline{4}80 \\ - 400 \\ \hline \end{array}$$

$$(5) \begin{array}{r} \underline{3}2 \\ - 30 \\ \hline \end{array}$$

$$(6) \begin{array}{r} 30\underline{5} \\ - 5 \\ \hline \end{array}$$

Introducing the number 1000

F.A. – Class Work

1.

Figures	Words	Figures	Words
1000	one thousand	6000	six thousand
2000	two thousand	7000	seven thousand
3000	three thousand	8000	eight thousand
4000	four thousand	9000	nine thousand
5000	five thousand		

2.

(a) Arrange the above numbers in descending order

9000 **8000** **7000** **6000** **5000** **4000** **3000** **2000** **1000**

(b) The biggest number in the list is **9000**.

(c) The smallest number in the list is **1000**.

(d) The number of digits in each number is **4**.

(e) The number of zeros in each number is **3**.

(f) There are **4** even numbers in this list.

(g) There are **5** odd numbers in this list.

F.A. – Activity

[To be done by students.]

3. Addition without carrying over

F. A. – Class Work

1.

(1) $423 + 4$

H	T	U
4	2	3
+		4
4	2	7

(2) $376 + 2$

H	T	U
3	7	6
+		2
3	7	8

(3) $403 + 64$

H	T	U
4	0	3
+	6	4
4	6	7

(4) $125 + 144$

H	T	U
1	2	5
+	4	4
2	6	9

(5) $513 + 365$

H	T	U
5	1	3
+	6	5
8	7	8

(6) $142 + 6$

H	T	U
1	4	2
+		6
1	4	8

(7) $205 + 4$

H	T	U
2	0	5
+		4
2	0	9

(8) $540 + 35$

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

(9) $20 + 436$

H	T	U
	2	0
+	4	3
4	5	6

S.A.

1.

(1) $664, 220$

H	T	U
6	6	4
+	2	0
8	8	4

(2) $713, 205$

H	T	U
7	1	3
+	0	5
9	1	8

(3) $122, 324$

H	T	U
1	2	2
+	2	4
4	4	6

(4) $207, 102$

H	T	U
2	0	7
+	0	2
3	0	9

(5) $270, 312$

H	T	U
2	7	0
+	1	2
5	8	2

(6) $450, 230$

H	T	U
4	5	0
+	3	0
6	8	0

(7) $541, 320$

H	T	U
5	4	1
+	2	0
8	6	1

(8) $400, 300$

H	T	U
4	0	0
+	0	0
7	0	0

(9) $22, 342$

H	T	U
	2	2
+	4	2
3	6	4

Addition of three numbers

F.A. – Class Work

1.

(1)	<table border="1" style="display: inline-table;"><tr><td>T</td><td>U</td></tr><tr><td>2</td><td>5</td></tr><tr><td>+ 3</td><td>0</td></tr><tr><td>+ 3</td><td>2</td></tr><tr><td>8</td><td>7</td></tr></table>	T	U	2	5	+ 3	0	+ 3	2	8	7	(2)	<table border="1" style="display: inline-table;"><tr><td>T</td><td>U</td></tr><tr><td>2</td><td>1</td></tr><tr><td>+ 1</td><td>5</td></tr><tr><td>+ 1</td><td>2</td></tr><tr><td>4</td><td>8</td></tr></table>	T	U	2	1	+ 1	5	+ 1	2	4	8	(3)	<table border="1" style="display: inline-table;"><tr><td>T</td><td>U</td></tr><tr><td>5</td><td>0</td></tr><tr><td>+ </td><td>2</td></tr><tr><td>+ </td><td>3</td></tr><tr><td>5</td><td>5</td></tr></table>	T	U	5	0	+	2	+	3	5	5	(4)	<table border="1" style="display: inline-table;"><tr><td>T</td><td>U</td></tr><tr><td>2</td><td>5</td></tr><tr><td>+ 1</td><td>2</td></tr><tr><td>+ </td><td>1</td></tr><tr><td>3</td><td>8</td></tr></table>	T	U	2	5	+ 1	2	+	1	3	8
T	U																																														
2	5																																														
+ 3	0																																														
+ 3	2																																														
8	7																																														
T	U																																														
2	1																																														
+ 1	5																																														
+ 1	2																																														
4	8																																														
T	U																																														
5	0																																														
+	2																																														
+	3																																														
5	5																																														
T	U																																														
2	5																																														
+ 1	2																																														
+	1																																														
3	8																																														

(5)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>4</td><td>5</td><td>3</td></tr><tr><td>+ 1</td><td>0</td><td>4</td></tr><tr><td>+ 1</td><td>1</td><td>2</td></tr><tr><td>6</td><td>6</td><td>9</td></tr></table>	H	T	U	4	5	3	+ 1	0	4	+ 1	1	2	6	6	9	(6)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>1</td><td>0</td><td>5</td></tr><tr><td>+ </td><td></td><td>3</td></tr><tr><td>+ </td><td>2</td><td>0</td></tr><tr><td>1</td><td>2</td><td>8</td></tr></table>	H	T	U	1	0	5	+		3	+	2	0	1	2	8	(7)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>2</td><td>0</td><td>2</td></tr><tr><td>+ </td><td>3</td><td>4</td></tr><tr><td>+ </td><td>1</td><td>1</td></tr><tr><td>2</td><td>4</td><td>7</td></tr></table>	H	T	U	2	0	2	+	3	4	+	1	1	2	4	7
H	T	U																																																
4	5	3																																																
+ 1	0	4																																																
+ 1	1	2																																																
6	6	9																																																
H	T	U																																																
1	0	5																																																
+		3																																																
+	2	0																																																
1	2	8																																																
H	T	U																																																
2	0	2																																																
+	3	4																																																
+	1	1																																																
2	4	7																																																

(8)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>2</td><td>0</td><td>0</td></tr><tr><td>+ </td><td>1</td><td>0</td></tr><tr><td>+ </td><td></td><td>1</td></tr><tr><td>2</td><td>1</td><td>1</td></tr></table>	H	T	U	2	0	0	+	1	0	+		1	2	1	1	(9)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>1</td><td>4</td><td>3</td></tr><tr><td>+ </td><td></td><td>2</td></tr><tr><td>+ </td><td></td><td>2</td></tr><tr><td>1</td><td>4</td><td>7</td></tr></table>	H	T	U	1	4	3	+		2	+		2	1	4	7	(10)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td></td><td></td><td>3</td></tr><tr><td>+ </td><td>4</td><td>2</td></tr><tr><td>+ 2</td><td>3</td><td>3</td></tr><tr><td>2</td><td>7</td><td>8</td></tr></table>	H	T	U			3	+	4	2	+ 2	3	3	2	7	8
H	T	U																																																
2	0	0																																																
+	1	0																																																
+		1																																																
2	1	1																																																
H	T	U																																																
1	4	3																																																
+		2																																																
+		2																																																
1	4	7																																																
H	T	U																																																
		3																																																
+	4	2																																																
+ 2	3	3																																																
2	7	8																																																

F.A. – Home Work

(11)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>3</td><td>5</td><td>2</td></tr><tr><td>+ 3</td><td>1</td><td>3</td></tr><tr><td>+ </td><td>2</td><td>1</td></tr><tr><td>6</td><td>8</td><td>6</td></tr></table>	H	T	U	3	5	2	+ 3	1	3	+	2	1	6	8	6	(12)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>4</td><td>5</td><td>1</td></tr><tr><td>+ 2</td><td>2</td><td>4</td></tr><tr><td>+ 1</td><td>1</td><td>2</td></tr><tr><td>7</td><td>8</td><td>7</td></tr></table>	H	T	U	4	5	1	+ 2	2	4	+ 1	1	2	7	8	7	(13)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>1</td><td>0</td><td>4</td></tr><tr><td>+ </td><td></td><td>2</td></tr><tr><td>+ </td><td></td><td>3</td></tr><tr><td>1</td><td>0</td><td>9</td></tr></table>	H	T	U	1	0	4	+		2	+		3	1	0	9	(14)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>3</td><td>4</td><td>0</td></tr><tr><td>+ </td><td>5</td><td>4</td></tr><tr><td>+ </td><td></td><td>2</td></tr><tr><td>3</td><td>9</td><td>6</td></tr></table>	H	T	U	3	4	0	+	5	4	+		2	3	9	6
H	T	U																																																																	
3	5	2																																																																	
+ 3	1	3																																																																	
+	2	1																																																																	
6	8	6																																																																	
H	T	U																																																																	
4	5	1																																																																	
+ 2	2	4																																																																	
+ 1	1	2																																																																	
7	8	7																																																																	
H	T	U																																																																	
1	0	4																																																																	
+		2																																																																	
+		3																																																																	
1	0	9																																																																	
H	T	U																																																																	
3	4	0																																																																	
+	5	4																																																																	
+		2																																																																	
3	9	6																																																																	
(15)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>3</td><td>0</td><td>3</td></tr><tr><td>+ 4</td><td>4</td><td>4</td></tr><tr><td>+ 1</td><td>2</td><td>2</td></tr><tr><td>8</td><td>6</td><td>9</td></tr></table>	H	T	U	3	0	3	+ 4	4	4	+ 1	2	2	8	6	9	(16)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td></td><td></td><td>5</td></tr><tr><td>+ </td><td>1</td><td>2</td></tr><tr><td>+ 3</td><td>7</td><td>2</td></tr><tr><td>3</td><td>8</td><td>9</td></tr></table>	H	T	U			5	+	1	2	+ 3	7	2	3	8	9	(17)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>4</td><td>0</td><td>0</td></tr><tr><td>+ </td><td>4</td><td>0</td></tr><tr><td>+ </td><td></td><td>4</td></tr><tr><td>4</td><td>4</td><td>4</td></tr></table>	H	T	U	4	0	0	+	4	0	+		4	4	4	4	(18)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>7</td><td>1</td><td>2</td></tr><tr><td>+ </td><td>2</td><td>3</td></tr><tr><td>+ </td><td>3</td><td>1</td></tr><tr><td>7</td><td>6</td><td>6</td></tr></table>	H	T	U	7	1	2	+	2	3	+	3	1	7	6	6
H	T	U																																																																	
3	0	3																																																																	
+ 4	4	4																																																																	
+ 1	2	2																																																																	
8	6	9																																																																	
H	T	U																																																																	
		5																																																																	
+	1	2																																																																	
+ 3	7	2																																																																	
3	8	9																																																																	
H	T	U																																																																	
4	0	0																																																																	
+	4	0																																																																	
+		4																																																																	
4	4	4																																																																	
H	T	U																																																																	
7	1	2																																																																	
+	2	3																																																																	
+	3	1																																																																	
7	6	6																																																																	
(19)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>1</td><td>0</td><td>0</td></tr><tr><td>+ </td><td>5</td><td>5</td></tr><tr><td>+ </td><td>3</td><td>2</td></tr><tr><td>1</td><td>8</td><td>7</td></tr></table>	H	T	U	1	0	0	+	5	5	+	3	2	1	8	7	(20)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>3</td><td>4</td><td>4</td></tr><tr><td>+ 2</td><td>0</td><td>1</td></tr><tr><td>+ 4</td><td>3</td><td>3</td></tr><tr><td>9</td><td>7</td><td>8</td></tr></table>	H	T	U	3	4	4	+ 2	0	1	+ 4	3	3	9	7	8	(21)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>1</td><td>2</td><td>0</td></tr><tr><td>+ 5</td><td>0</td><td>3</td></tr><tr><td>+ 2</td><td>6</td><td>4</td></tr><tr><td>8</td><td>8</td><td>7</td></tr></table>	H	T	U	1	2	0	+ 5	0	3	+ 2	6	4	8	8	7	(22)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>5</td><td>1</td><td>3</td></tr><tr><td>+ </td><td>2</td><td>4</td></tr><tr><td>+ </td><td></td><td>2</td></tr><tr><td>5</td><td>3</td><td>9</td></tr></table>	H	T	U	5	1	3	+	2	4	+		2	5	3	9
H	T	U																																																																	
1	0	0																																																																	
+	5	5																																																																	
+	3	2																																																																	
1	8	7																																																																	
H	T	U																																																																	
3	4	4																																																																	
+ 2	0	1																																																																	
+ 4	3	3																																																																	
9	7	8																																																																	
H	T	U																																																																	
1	2	0																																																																	
+ 5	0	3																																																																	
+ 2	6	4																																																																	
8	8	7																																																																	
H	T	U																																																																	
5	1	3																																																																	
+	2	4																																																																	
+		2																																																																	
5	3	9																																																																	
(23)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>1</td><td>3</td><td>2</td></tr><tr><td>+ 3</td><td>4</td><td>3</td></tr><tr><td>+ 4</td><td>1</td><td>1</td></tr><tr><td>8</td><td>8</td><td>6</td></tr></table>	H	T	U	1	3	2	+ 3	4	3	+ 4	1	1	8	8	6	(24)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>2</td><td>5</td><td>4</td></tr><tr><td>+ </td><td>3</td><td>0</td></tr><tr><td>+ 1</td><td>1</td><td>2</td></tr><tr><td>3</td><td>9</td><td>6</td></tr></table>	H	T	U	2	5	4	+	3	0	+ 1	1	2	3	9	6	(25)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>3</td><td>1</td><td>6</td></tr><tr><td>+ 1</td><td>3</td><td>1</td></tr><tr><td>+ 2</td><td>0</td><td>2</td></tr><tr><td>6</td><td>4</td><td>9</td></tr></table>	H	T	U	3	1	6	+ 1	3	1	+ 2	0	2	6	4	9	(26)	<table border="1" style="display: inline-table;"><tr><td>H</td><td>T</td><td>U</td></tr><tr><td>3</td><td>1</td><td>8</td></tr><tr><td>+ </td><td>1</td><td>0</td></tr><tr><td>+ </td><td>4</td><td>1</td></tr><tr><td>3</td><td>6</td><td>9</td></tr></table>	H	T	U	3	1	8	+	1	0	+	4	1	3	6	9
H	T	U																																																																	
1	3	2																																																																	
+ 3	4	3																																																																	
+ 4	1	1																																																																	
8	8	6																																																																	
H	T	U																																																																	
2	5	4																																																																	
+	3	0																																																																	
+ 1	1	2																																																																	
3	9	6																																																																	
H	T	U																																																																	
3	1	6																																																																	
+ 1	3	1																																																																	
+ 2	0	2																																																																	
6	4	9																																																																	
H	T	U																																																																	
3	1	8																																																																	
+	1	0																																																																	
+	4	1																																																																	
3	6	9																																																																	

[Note : Teacher please change the digit 46 to 41 of question 26.]

4. Subtraction without Borrowing

F. A. – Class Work

1.

(1)		
H	T	U
1	3	7
–		4
1	3	3

(2)		
H	T	U
2	5	6
–		2
2	5	4

(3)		
H	T	U
4	5	2
–	3	2
4	2	0

(4)		
H	T	U
4	5	8
–	4	4
4	1	4

(5)		
H	T	U
8	7	4
–	5	2
3	5	3

(6)		
H	T	U
9	5	5
–	4	1
5	4	3

(7)		
H	T	U
5	3	7
–	1	0
4	3	7

(8)		
H	T	U
6	7	8
–	3	5
3	2	4

(9)		
H	T	U
3	0	0
–	2	0
1	0	0

(10)		
H	T	U
7	0	3
–	6	0
1	0	0

(11)		
H	T	U
6	6	6
–	4	0
2	6	1

(12)		
H	T	U
8	5	4
–	6	3
2	2	3

S.A. – Class Work

1.

(1)		
H	T	U
9	5	5
–	4	1
5	4	0

(2)		
H	T	U
7	4	9
–	4	3
3	1	1

(3)		
H	T	U
8	5	3
–	2	0
6	5	1

(4)		
H	T	U
2	3	7
–	1	1
1	2	3

(5)		
H	T	U
3	6	6
–		3
3	6	3

(6)		
H	T	U
4	5	5
–	3	5
4	2	0

(7)		
H	T	U
4	5	8
–	4	4
4	1	4

(8)		
H	T	U
8	9	9
–	5	2
3	7	6

2.

(1) 654 – 200		
H	T	U
6	5	4
–	2	0
4	5	4

(2) 674 – 242		
H	T	U
6	7	4
–	2	4
4	3	2

(3) 772 – 341		
H	T	U
7	7	2
–	3	4
4	3	1

(4) 967 – 343		
H	T	U
9	6	7
–	3	4
6	2	4

3.

(1) 315, 517		
H	T	U
5	1	7
–	3	1
2	0	2

(2) 470, 340		
H	T	U
4	7	0
–	3	4
1	3	0

(3) 300, 700		
H	T	U
7	0	0
–	3	0
4	0	0

(4) 867, 235		
H	T	U
8	6	7
–	2	3
6	3	2

4. (1) 417 – 305

$$\begin{array}{r} \text{H T U} \quad \text{H T U} \\ 417 - 305 = 112 \end{array}$$

(2) 504 – 201

$$\begin{array}{r} \text{H T U} \quad \text{H T U} \\ 504 - 201 = 303 \end{array}$$

(3) 779 – 250

$$\begin{array}{r} \text{H T U} \quad \text{H T U} \\ 779 - 250 = 529 \end{array}$$

(4) 420 – 220

$$\begin{array}{r} \text{H T U} \quad \text{H T U} \\ 420 - 220 = 200 \end{array}$$

5. Multiplication

F. A. – Class Work

1.

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

$9 \times 1 = 9$	4 times tables	2 times tables	Addition		6 times table	
$9 \times 2 = 18$	4	2	$4 + 2 =$	6	$6 \times 1 =$	6
$9 \times 3 = 27$	8	4	$8 + 4 =$	12	$6 \times 2 =$	12
$9 \times 4 = 36$	12	6	$12 + 6 =$	18	$6 \times 3 =$	18
$9 \times 5 = 45$	16	8	$16 + 8 =$	24	$6 \times 4 =$	24
$9 \times 6 = 54$	20	10	$20 + 10 =$	30	$6 \times 5 =$	30
$9 \times 7 = 63$	24	12	$24 + 12 =$	36	$6 \times 6 =$	36
$9 \times 8 = 72$	28	14	$28 + 14 =$	42	$6 \times 7 =$	42
$9 \times 9 = 81$	32	16	$32 + 16 =$	48	$6 \times 8 =$	48
$9 \times 10 = 90$	36	18	$36 + 18 =$	54	$6 \times 9 =$	54
	40	20	$40 + 20 =$	60	$6 \times 10 =$	60

F.A. – Oral

2.

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

S.A.

1.

$\begin{array}{r} 3 \\ \times 6 \\ \hline 18 \end{array}$	$\begin{array}{r} 4 \\ \times 2 \\ \hline 8 \end{array}$	$\begin{array}{r} 2 \\ \times 3 \\ \hline 6 \end{array}$	$\begin{array}{r} 5 \\ \times 3 \\ \hline 15 \end{array}$	$\begin{array}{r} 6 \\ \times 4 \\ \hline 24 \end{array}$
$\begin{array}{r} 7 \\ \times 5 \\ \hline 35 \end{array}$	$\begin{array}{r} 2 \\ \times 2 \\ \hline 4 \end{array}$	$\begin{array}{r} 5 \\ \times 1 \\ \hline 5 \end{array}$	$\begin{array}{r} 6 \\ \times 6 \\ \hline 36 \end{array}$	$\begin{array}{r} 2 \\ \times 5 \\ \hline 10 \end{array}$

3	2	4	2	7
× 2	× 4	× 5	× 1	× 8
6	8	20	2	56

8	4	2	7	8
× 3	× 4	× 6	× 7	× 1
24	16	12	49	8

S.A. – Class Work

1.

3,4	3	4,5	4	2,6	2	5,3	5	5,7	5	4,8	4
× 4		× 5		× 6		× 3		× 7		× 8	
12		20		12		15		35		32	

5,4	5	5,6	5	3,7	3	2,8	2	4,4	4	2,9	2
× 4		× 6		× 7		× 8		× 4		× 9	
20		30		21		16		16		18	

2.

3,9	5,6	4,9	2,7
3 × 9 = 27	5 × 6 = 30	4 × 9 = 36	2 × 7 = 14

4,8	2,8	3,7	5,8
4 × 8 = 32	2 × 8 = 16	3 × 7 = 21	5 × 8 = 40

3.

1.	×	6	Flowers in one row
		4	Number of rows
<hr/>			
		24	Total number of flowers

S.A. – Home Work

4.

(1) 3 balls in one box. Then in 7 boxes, 21 balls in all.

(2) ₹ 8 for one doll. Then 5 dolls, ₹ 40 in all.

(3) 5 oranges in one bowl. Then in 4 bowls, 20 oranges in all.

(4) 2 cups in one tray. Then in 3 trays, 6 cups in all.

Multiplication : Word Problem

F.A. – Class Work

1.

(1) Operation :

Multiplication

We shall use the 8 times table. Eight fives are forty. Total trees = 40.

×	5	Rows
	8	Trees in each row
<hr/>		
	40	Total number of trees.

(2) Operation :

Multiplication

We shall say the 9 times table. Nine sevens are sixty three.

Total laddoos = 63

×	7	Boxes
	9	Laddoos in one box
<hr/>		
	63	Total number of laddoos

(3) Operation : Multiplication

We shall say the 7 times table. Seven fours twenty eight.

×	4	Weeks
	7	Days in one week
28 Total days		

Total days = 28.

(4) Operation :

Multiplication

We shall say the 8 times table. Eight threes are twenty four. Total tiles = 24.

×	3	Rows
	8	Tiles in a row
24 Total number of tiles		

F.A. – Home Work

(5) Operation :

Multiplication

We shall say the 4 times table. Four sixs are twenty four. Total rupees = 24.

×	6	Cost of one guava
	4	Number of children
24 Rupees in all		

(6) Operation :

Multiplication

We shall say the 9 times table. Nine sixs are fifty four. Total players are 54.

×	6	Teams
	9	Players in each team
54 Total number of players		

(7) Operation : Multiplication

We shall say the 6 times table. Six eights are forty eight. Total mangoes are 48.

×	8	Crates
	6	Mangoes in crate
48 Total number of mangoes.		

(8) Operation :

Multiplication

We shall say the 8 times table. Eight nines are seventy two. Total costs of oranges are 72.

×	9	Cost of one orange
	8	Cost of eight oranges
72 Total cost		

Properties of multiplication

F.A. – Class Work

1.

$8 \times 7 = 56$	$6 \times 6 = 36$	$9 \times 8 = 72$
$4 \times 8 = 32$	$3 \times 7 = 21$	$5 \times 9 = 45$
$7 \times 6 = 42$	$10 \times 10 = 100$	$8 \times 6 = 48$
$2 \times 9 = 18$	$7 \times 7 = 49$	$4 \times 7 = 28$
$9 \times 7 = 63$	$8 \times 5 = 40$	$2 \times 6 = 12$
$5 \times 6 = 30$	$4 \times 9 = 36$	$7 \times 8 = 56$
$3 \times 9 = 27$	$8 \times 8 = 64$	$6 \times 9 = 54$
$6 \times 7 = 42$	$2 \times 7 = 14$	$3 \times 6 = 18$
$10 \times 8 = 80$	$9 \times 6 = 54$	$6 \times 8 = 48$
$9 \times 5 = 45$	$5 \times 8 = 40$	$10 \times 7 = 70$
$7 \times 3 = 21$	$9 \times 5 = 45$	$7 \times 10 = 70$
$3 \times 9 = 27$	$5 \times 8 = 40$	$8 \times 9 = 72$

2.

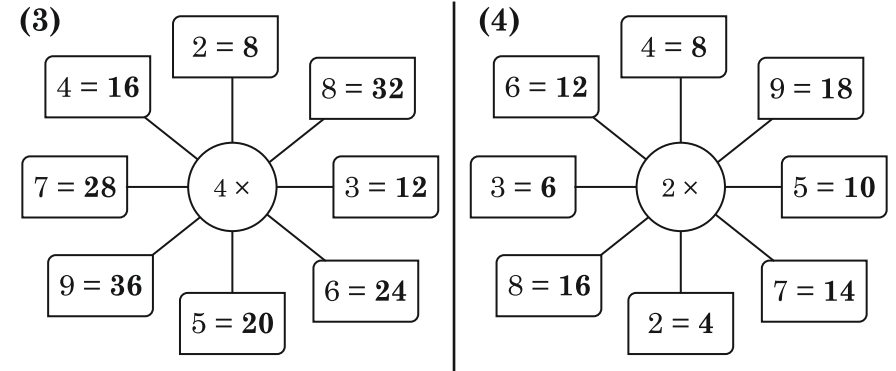
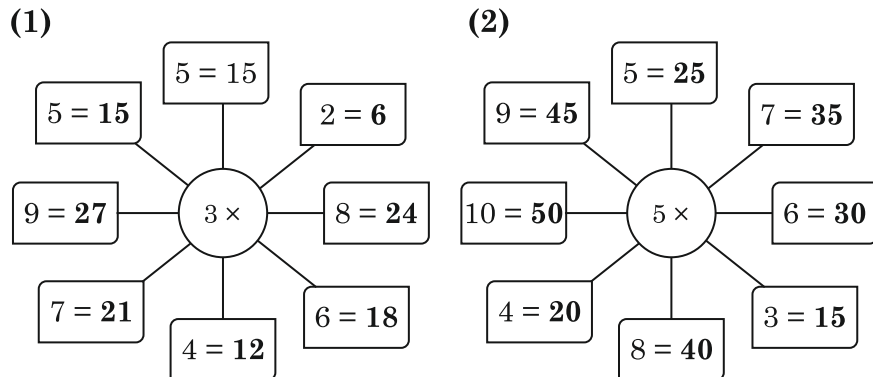
Example	Multiplicand	Multiplier	Product
(2) $5 \times 4 = 20$	5	4	20
(3) $3 \times 8 = 24$	3	8	24
(4) $4 \times 3 = 12$	4	3	12
(5) $9 \times 7 = 63$	9	7	63
(6) $7 \times 9 = 63$	7	9	63
(7) $6 \times 3 = 18$	6	3	18
(8) $2 \times 9 = 18$	2	9	18
(9) $8 \times 4 = 32$	8	4	32
(10) $9 \times 3 = 27$	9	3	27
(11) $5 \times 8 = 40$	5	8	40

3.

- (1) $2 \times 4 = 8 = 4 \times 2$ (2) $7 \times 0 = 0 = 0 \times 7$
 (3) $9 \times 8 = 72 = 8 \times 9$ (4) $7 \times 3 = 21 = 3 \times 7$
 (5) $8 \times 0 = 0 = 0 \times 8$ (6) $6 \times 3 = 18 = 3 \times 6$

S.A. – Class Work

1.









2.

- (2) $9 \times 2 = 2 \times 9$ (3) $3 \times 5 = 5 \times 3$
 (4) $4 \times 2 = 2 \times 4$ (5) $8 \times 5 = 5 \times 8$
 (6) $6 \times 4 = 4 \times 6$ (7) $4 \times 1 = 4$
 (8) $9 \times 1 = 9$ (9) $1 \times 9 = 9$
 (10) $5 \times 0 = 0$ (11) $0 \times 4 = 0$
 (12) $7 \times 0 = 0$ (13) $8 \times 1 = 8$
 (14) $1 \times 6 = 6$ (15) $6 \times 0 = 0$
 (16) $0 \times 0 = 0$

6. Coins and Currency Notes



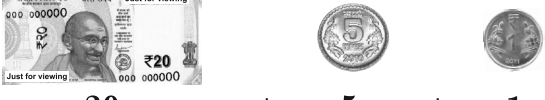
F.A. – Oral

1.

 The value of this coin is ₹ 5	 This coin has a value of ₹ 1	 This coin has a value of ₹ 2
 The value of this note is 100 ₹	 The value of this note is 500 ₹	 This note has a value of ₹ 2000

F.A. – Class Work

2.

 $20 + 2 + 1 = ₹ 23$
 $10 + 5 + 2 = ₹ 17$
 $20 + 5 + 1 = ₹ 26$

S.A. – Class Work

1.

(1) 

(2) Suraj Singh has rupees 85.

(3) Rekha has 934 ₹.

(4) 

2.

	₹ 650
	₹ 656

7. Measurement (Metre / Centimetre)

F.A. – Class Work

1.

(b) $7\text{ m} = 7 \times 100 = 700\text{ cm}$

(c) $2\text{ m} = 2 \times 100 = 200\text{ cm}$

(d) $9\text{ m} = 9 \times 100 = 900\text{ cm}$

(e) $6\text{ m} = 6 \times 100 = 600\text{ cm}$

(f) $3\text{ m} = 3 \times 100 = 300\text{ cm}$

(g) $5\text{ m} = 5 \times 100 = 500\text{ cm}$

(h) $8\text{ m} = 8 \times 100 = 800\text{ cm}$

2.

(b) 300 cm 3 m (c) 800 cm 8 m

(d) 400 cm 4 m (e) 700 cm 7 m

(f) 200 cm 2 m (g) 900 cm 9 m


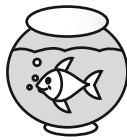

(h) 100 cm 1 m (i) 600 cm 6 m

3. (1) - (b), (2) - (d), (3) - (a).

S.A. – Home Work

1. [To be done by students.]

2.

<p>(a) Jump of the cat</p>  <table style="margin-left: auto; margin-right: auto;"> <tr><td style="border: 1px solid black; padding: 5px;">2 m</td></tr> <tr><td style="border: 1px solid black; padding: 5px;">2 cm</td></tr> </table>	2 m	2 cm	<p>(b) Length of goldfish</p>  <table style="margin-left: auto; margin-right: auto;"> <tr><td style="border: 1px solid black; padding: 5px;">4 cm</td></tr> <tr><td style="border: 1px solid black; padding: 5px;">2 m</td></tr> </table>	4 cm	2 m	<p>(c) Distance from home to school</p>  <table style="margin-left: auto; margin-right: auto;"> <tr><td style="border: 1px solid black; padding: 5px;">1 m</td></tr> <tr><td style="border: 1px solid black; padding: 5px;">1 km</td></tr> </table>	1 m	1 km
2 m								
2 cm								
4 cm								
2 m								
1 m								
1 km								

<p>(d) Width of your teacher's table</p>	<p>(e) Thickness of a book</p>	<p>(f) Length of a banana</p>
---	---------------------------------------	--------------------------------------

S.A.

1. [To be done by students.]

S.A. – Measurement weight (Mass)

[To be done by students.]

F.A. – Measurement volume and capacity

[To be done by students.]

* * * *

BOOK - III

Part - II

1. Patterns

F.A. – Activity

1. * ◻ ◆ ◻ ◆ ◻ ◆ ◻ ◆ * ▲ ▲ ▼ ▲ ▲ ▼

ABAB

AAB AAB

	ABAB
--	------

	ABAB
--	------

	AAB AAB
--	---------

	ABC ABC
--	---------

	ABC ABC
--	---------

	ABC ABC
--	---------

F.A. – Home Work

2.

(i)

(ii)

(iii)

(iv)

A	A	B	B	C	C	A	A	B	B
---	---	---	---	---	---	---	---	---	---

(v)

(vi)

(vii)

1×1	2×2	3×3	4×4	5×5	6×6	7×7	8×8	9×9	10×10
= 1	= 4	= 9	= 16	= 25	= 36	= 49	= 64	= 81	= 100

(viii)

5	10	15	20	25	30	35	40	45	50
---	----	----	----	----	----	----	----	----	----

(ix)

2	9	16	23	30	37	44	51	58	65
---	---	----	----	----	----	----	----	----	----

(x)

S. A. – Class Work

1. **Serial numbers of the triangles : 1, 3, 5**

Serial numbers of the circles : 2, 4, 6

The third figure is a triangle. The sixth figure is a **circle**. The eighth will be a **circle**. The eleventh will be a **triangle**, the fifteenth will be a **triangle**, the twentieth will be a **circle** and the twenty- fifth will be a **triangle**.

2.

The serial number of the figure	1	2	3	4	5	6
Arrangement of marbles						
Number marbles	1	3	5	7	9	11

There are **5** marbles in the third figure. There are **7** marbles in the fourth figure.

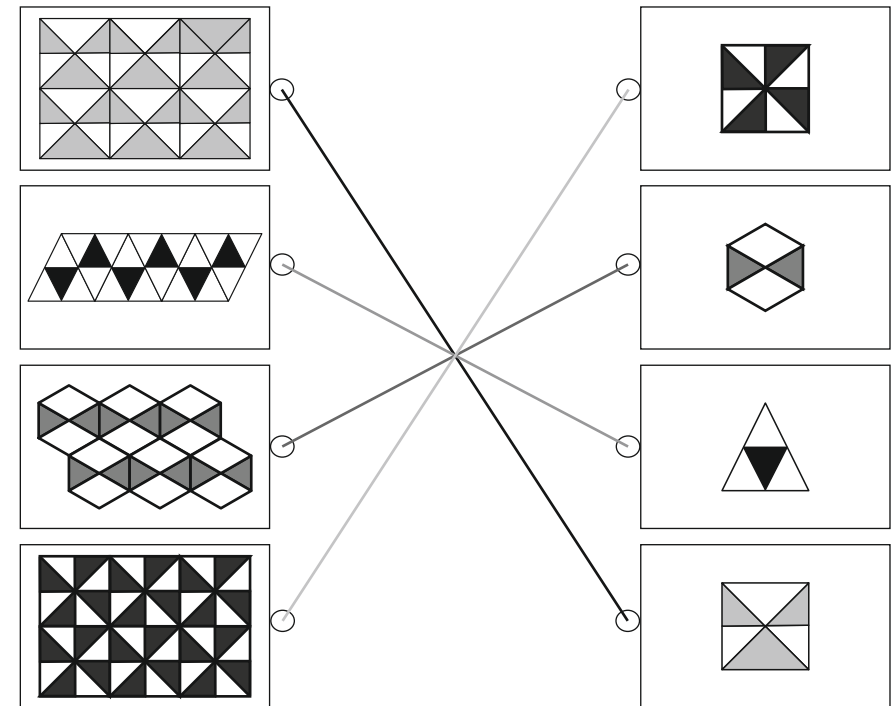
3. 13 marbles

In the tenth figure – 19 marbles

S. A. – Activity

4. [To be done by students.]

5.

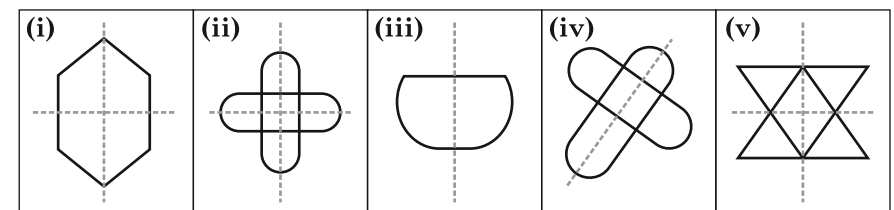


2. Symmetry

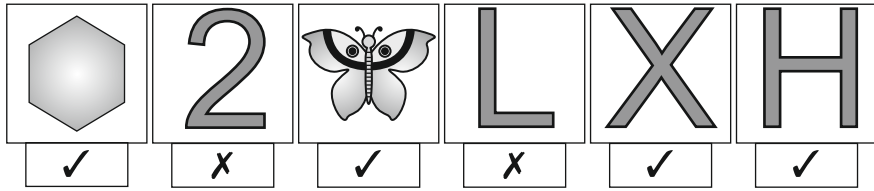
F.A. – Class Work

1. (i) - S, (ii) - S, (iii) - S, (iv) - S, (v) - N, (vi) - S, (vii) - N, (viii) - N, (ix) - S, (x) - S, (xi) - N, (xii) - N, (xiii) - S, (xiv) - N, (xv) - N, (xvi) - N.

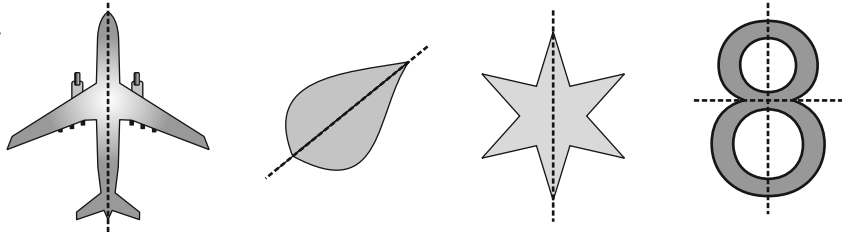
2.



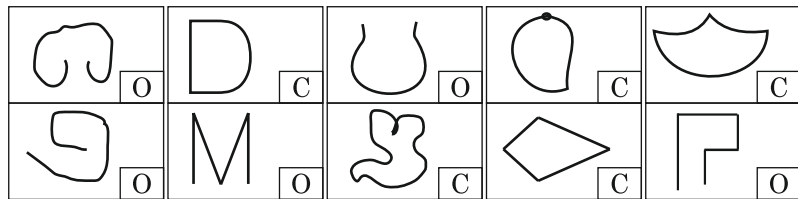
3.



4.



5.



3. Addition by Carrying Over

F.A. – Oral

1. (1) 12 T means H T
- (2) 15 T means H T
- (3) 17 T means H T
- (4) 18 T means H T
- (5) 21 T means H T
- (6) 41 T means H T

$$(7) \quad 1 \text{ H } 2 \text{ T} = \boxed{12} \text{ T}$$

$$(8) \quad 1 \text{ H } 4 \text{ T} = \boxed{14} \text{ T}$$

$$(9) \quad 3 \text{ H } 2 \text{ T} = \boxed{32} \text{ T}$$

$$(10) \quad 4 \text{ H } 3 \text{ T} = \boxed{43} \text{ T}$$

$$(11) \quad 5 \text{ H } 9 \text{ T} = \boxed{59} \text{ T}$$

$$(12) \quad 6 \text{ H } 7 \text{ T} = \boxed{67} \text{ T}$$

2.

H	T	U	H	T	U	H	T	U	H	T	U	H	T	U
1	1			1			1		1	1			1	
1	3	5	2	4	7	3	4	9	4	6	5	1	4	8
+ 4	7	6	+ 5	1	7	+ 2	1	9	+ 3	3	5	+ 2	3	6
6	1	1	7	6	4	5	6	8	8	0	0	3	8	4

H	T	U	H	T	U	H	T	U	H	T	U	H	T	U
1	1			1			1		1				1	
3	5	6	5	4	9	7	4	2	8	5	0	7	4	9
+ 6	6	5	+ 1	1	9	+ 2	2	8	+ 6	0		+ 2	8	
4	2	1	5	6	8	7	7	0	9	1	0	7	7	7

3.

H	T	U	H	T	U	H	T	U	H	T	U	H	T	U
1	1		2	1		1	1		1			1	1	
4	3	2	3	9	5	4	7	2	2	5	0	1	4	6
+ 9	4		+ 6	2		+ 2	0	9	+ 3	4	5	+ 5	3	
+ 5			+ 8	4		+ 1	4	2	+ 2	4		+ 4	2	
5	3	1	5	4	1	8	2	3	6	1	9	2	4	1

F.A. – Home Work

4.

2 1	1	1 1	1 1	1
1 7 2	5 0 0	6 4 3	4 3 7	3 6 4
+ 3 9 4	+ 2 8 0	+ 5 7	+ 1 2 3	+ 1 0 6
+ 2 3 8	+ 1 2 0	+ 6	+ 2 4 5	+ 1 8
8 0 4	9 0 0	7 0 6	8 0 5	4 8 8
1 1	1 1	1 1	1	1 1
4 3 7	4 7 2	3 2 5	5 0 0	3 2 5
+ 1 2 3	+ 2 0 9	+ 8 2	+ 2 8 0	+ 1 8 3
+ 2 4 5	+ 1 4 2	+ 5	+ 1 2 0	+ 4 4
8 0 5	8 2 3	4 1 2	9 0 0	5 5 2

5.

235 + 146	346 + 129	536 + 236 + 19	749 + 128
H T U	H T U	H T U	H T U
	1		
2 3 5	3 4 6	5 3 6	7 4 9
+ 1 4 6	+ 1 2 9	+ 2 3 6	+ 1 2 8
		+ 1 9	
3 8 1	4 7 5	7 9 1	8 7 7
275 + 246	382 + 199	455 + 267	545 + 165
H T U	H T U	H T U	H T U
1 1	1 1	1 1	1 1
2 7 5	3 8 2	4 5 5	5 4 5
+ 2 4 6	+ 1 9 9	+ 2 6 7	+ 1 6 5
5 2 1	5 8 1	7 2 2	7 1 0

270 + 196 + 58	370 + 195	307 + 245	162 + 375
H T U	H T U	H T U	H T U
2 1	1		1
2 7 0	3 7 0	3 0 7	1 6 2
+ 1 9 6	+ 1 9 5	+ 2 4 5	+ 3 7 5
+ 5 8			
5 2 4	5 6 5	5 5 2	5 3 7
566 + 233 + 29	217 + 165 + 94	267 + 536	
H T U	H T U	H T U	
1 1	1 1	1 1	
5 6 6	2 1 7	2 6 7	
+ 2 3 3	+ 1 6 5	+ 5 3 6	
+ 2 9	+ 9 4		
8 2 8	4 7 6	8 0 3	

S.A. – Class Work

- (1) 441, (2) 751, (3) 200, (4) 600,
 (5) 606, (6) 555, (7) 300, (8) 700,
 (9) 952, (10) 617, (11) 400, (12) 800,
 (13) 703, (14) 710, (15) 500, (16) 900,
 (17) 1000, (18) 500.
- (1) 50 + 50, (2) 30 + 70, (3) 75 + 25, (4) 80 + 20,
 (5) 60 + 40, (6) 65 + 35

Addition : Word Problems

F.A. – Class Work

1.

	H	T	U	
	1	1		
	3	6	5	Women
+	2	7	6	Men
	6	4	1	

Ans. Altogether 641 people took part.

2.

	H	T	U	
	1			
	3	5	0	Malatibai
+	4	0	0	Vasantrao
+	1	6	5	Jayantrao
	9	1	5	

Ans. 915 books were gifted the school library.

3.

	H	T	U	
	1			
	2	3	0	Gulmohur trees
+	3	7	5	Neem trees
+	1	6	0	Teak trees
	7	6	5	

Ans. Altogether 765 trees were planted.

4.

	H	T	U	
	1	1		
	1	9	3	two-wheeler
+	2	9	7	four-wheeler
	4	9	0	

Ans. 490 vehicles were tested for pollution.

F.A. – Home Work

2.

1. **Problem :** A library has 50 story books and 75 books of poems. How many books are there altogether in the library?

Ans. Altogether 125 books in the library.

	H	T	U	
	1			
		5	0	Story books
+		7	5	Poem books
	1	2	5	Books

2. **Problem :** In the basket there are 35 mangoes and 45 guavas. What is the total number of fruits in the basket?

Ans. 80 fruits in the basket.

	H	T	U	
		1		
		3	5	Mangoes
+		4	5	Guavas
		8	0	Fruits

3. **Problem :** Mother got a dress for 275 rupees and shirt for 399 rupees. How much did she pay for the clothes together?

Ans. Mother paid rupees 674.

	H	T	U	
	1	1		
	2	7	5	Dress
+	3	9	9	Shirt
	6	7	4	Rupees

4. **Problem :** In a tree planting drive 345 boys and 275 girls took part. What was the total number of children?

Ans. 620 children in total.

	H	T	U	
	1	1		
	3	4	5	Boys
+	2	7	5	Girls
	6	2	0	Children

S.A. – Class Work

1.

1.

Ans. 304 took part in the annual day.

	H	T	U	
	1	1		
	2	2	8	Girls
+		7	6	Boys
	3	0	4	

2.

Ans. 751 passengers in the train.

	H	T	U	
		1		
	2	3	4	First Class
+	5	1	7	Second Class
	7	5	1	

3.

Ans. Altogether 500 km. travelled.

H	T	U	
1	1		
2	4	5	First day
+ 2	5	5	Second day
5	0	0	

4.

Ans. Mother spend ₹ 950.

H	T	U	
1			
8	6	0	Saree
+	9	0	Blouse
9	5	0	

5.

Ans. Altogether ₹ 832 was used on stationary.

H	T	U	
1	1		
3	9	5	Stock
+ 4	3	7	New stationary
8	3	2	

4. Subtraction by Borrowing

F.A. – Class Work

1.

(1)	(2)	(3)	(4)	(5)																																																		
<table border="1"><tr><th>T</th><th>U</th></tr><tr><td>6</td><td>13</td></tr><tr><td>7</td><td>8</td></tr><tr><td>- 4</td><td>5</td></tr><tr><td>2</td><td>8</td></tr></table>	T	U	6	13	7	8	- 4	5	2	8	<table border="1"><tr><th>T</th><th>U</th></tr><tr><td>7</td><td>11</td></tr><tr><td>8</td><td>7</td></tr><tr><td>- 5</td><td>8</td></tr><tr><td>2</td><td>3</td></tr></table>	T	U	7	11	8	7	- 5	8	2	3	<table border="1"><tr><th>T</th><th>U</th></tr><tr><td>8</td><td>10</td></tr><tr><td>9</td><td>6</td></tr><tr><td>- 6</td><td>9</td></tr><tr><td>2</td><td>1</td></tr></table>	T	U	8	10	9	6	- 6	9	2	1	<table border="1"><tr><th>T</th><th>U</th></tr><tr><td>5</td><td>12</td></tr><tr><td>6</td><td>2</td></tr><tr><td>- 2</td><td>7</td></tr><tr><td>3</td><td>5</td></tr></table>	T	U	5	12	6	2	- 2	7	3	5	<table border="1"><tr><th>T</th><th>U</th></tr><tr><td>8</td><td>18</td></tr><tr><td>9</td><td>3</td></tr><tr><td>- 3</td><td>9</td></tr><tr><td>5</td><td>9</td></tr></table>	T	U	8	18	9	3	- 3	9	5	9
T	U																																																					
6	13																																																					
7	8																																																					
- 4	5																																																					
2	8																																																					
T	U																																																					
7	11																																																					
8	7																																																					
- 5	8																																																					
2	3																																																					
T	U																																																					
8	10																																																					
9	6																																																					
- 6	9																																																					
2	1																																																					
T	U																																																					
5	12																																																					
6	2																																																					
- 2	7																																																					
3	5																																																					
T	U																																																					
8	18																																																					
9	3																																																					
- 3	9																																																					
5	9																																																					

2. (1)

H	T	U
	6	11
2	7	8
- 1	3	8
1	3	3

(2)

H	T	U
	14	14
8	8	4
-	5	6
5	9	8

(3)

H	T	U
6	12	11
7	8	4
- 2	4	8
4	8	3

(4)

H	T	U
7	12	15
8	8	3
- 2	5	8
5	7	7

(5)

H	T	U
	6	17
5	8	7
- 2	4	9
3	2	8

(6)

H	T	U
	4	10
6	8	0
- 6	4	5
0	0	5

(7)

H	T	U
6	16	15
7	7	2
- 3	9	7
3	7	8

(8)

H	T	U
	7	10
6	8	0
- 1	5	4
5	2	6

3. (1)

H	T	U
1	9	15
2	8	3
-		6
1	9	9

(2)

H	T	U
2	9	10
3	8	0
-	9	5
2	0	5

(3)

H	T	U
7	9	10
8	8	0
- 2	0	7
5	9	3

(4)

H	T	U
6	9	10
7	8	0
- 3	4	8
3	5	2

S.A.

1.

(1) 245 – 6

H	T	U
	3	15
2	4	5
-		6
2	3	9

(2) 348 – 59

H	T	U
2	13	18
3	4	8
-	5	9
2	8	9

(3) 556 – 368

H	T	U
4	14	16
5	5	6
- 3	6	8
1	8	8

(4) 407 – 240

H	T	U
3	10	
3	0	7
- 2	4	0
1	6	7

(5) 845 – 657

H	T	U
7	13	15
7	4	5
- 6	5	7
1	8	8

(6) 932 – 754

H	T	U
8	12	12
8	3	2
- 7	5	4
1	7	8

2.

(1) 3, 5, 4

H	T	U
4	13	13
4	3	3
- 3	4	5
1	9	8

(2) 6, 5, 1

H	T	U
5	14	11
5	6	1
- 1	5	6
4	9	5

(3) 7, 2, 5

H	T	U
6	14	12
7	2	5
- 2	5	7
4	9	5

(4) 3, 4, 8

H	T	U
7	13	13
3	4	8
- 3	4	8
4	9	5

Subtraction : Word Problems

F.A. – Class Work

1.

1. **Ans.** 93 more trees in Sayaji Park.

H	T	U
1	16	
1	6	8
- 1	7	5
0	9	3

Trees in Sayaji Park
Trees in Maharaj Park
More trees

2. **Ans.** 109 books were there in the beginning.

H	T	U
	2	14
2	2	4
- 1	2	5
1	0	9

Books in the shop
More books brought
Books in the beginning

3. **Ans.** 135 more girls are there than boys.

H	T	U
	4	10
3	3	0
- 2	1	5
1	3	5

Girls
Boys
More girls

4. **Ans.** Rupees 225 was left with Mary.

H	T	U
4	9	10
4	9	0
- 2	7	5
2	2	5

Mary had
She spent on books
Money left

2.

1. **Problem :** Aman has 325 beads and Sulabha has 150. How many more beads should Sulabha take so that they will both have an equal number of beads ?

H	T	U
2	12	
2	5	5
- 1	5	0
1	7	5

Beads
Beads
Beads

Ans. Sulabha should take 175 beads.

2. **Problem :** Jaya has 300 beads . She gives Maya 257 beads. How many beads does Jaya have now?

H	T	U
2	9	10
2	0	0
- 2	5	7
0	4	3

Beads Jaya has
Beads Maya has
Jaya has now

Ans. Jaya has 43 beads now.

3. **Problem :** There are 324 *hapoos* mangoes and 268 *paayari* mangoes. How many more *hapoos* mangoes are there than *paayari* mangoes?
- | H | T | U |
|--------------|--------------|--------------|
| 2 | 11 | 14 |
| 3 | 2 | 4 |
| - 2 | 6 | 8 |
| 0 | 5 | 6 |
- hapoos* mangoes
paayari mangoes
More *hapoos* mangoes

Ans. 56 more *hapoos* mangoes are there than *paayari*.

4. **Problem :** A farmer plants 188 mango trees and 275 guava trees in a plantation. How many more guava trees are there than mango trees?
- | H | T | U |
|--------------|--------------|--------------|
| 1 | 16 | 15 |
| 2 | 7 | 5 |
| - 1 | 8 | 8 |
| 0 | 8 | 7 |
- Guava trees
Mango trees
More guava trees

Ans. 87 more guava trees than mango trees.

5. **Problem :** A shopkeeper has 932 sacks of wheat and 750 sacks of jowar. How many more wheat sacks are there than jowar sacks?
- | H | T | U |
|--------------|--------------|---|
| 8 | 13 | |
| 9 | 3 | 2 |
| - 7 | 5 | 0 |
| 1 | 8 | 2 |
- Wheat sacks
Jowar sacks
More wheat sacks

Ans. 182 more wheat sacks than jowar sacks.

S. A. – Class Work

1.

1. **Problem :** A cycle shop has 195 black bicycles and 100 red bicycles. How many more black bicycles are there than red bicycles?
- | H | T | U |
|-----|---|---|
| | | |
| 1 | 9 | 5 |
| - 1 | 0 | 0 |
| 0 | 9 | 5 |
- Black bicycles
Red bicycles
More black bicycles

Ans. 95 more black bicycles than red bicycles.

2. **Problem :** Sam gave 622 rupees to the shopkeeper. The shopkeeper returned to Sam rupees 168. How much money did Sam pay the shopkeeper?
- | H | T | U |
|--------------|--------------|--------------|
| 5 | 11 | 12 |
| 6 | 2 | 2 |
| - 1 | 6 | 8 |
| 4 | 5 | 4 |
- gave to shopkeeper
shopkeeper returned
paid the shopkeeper

Ans. Sam paid rupees 454 to the shopkeeper.

3. **Problem :** A box has 170 black marbles and 200 red marbles. How many more red marbles are there than black marbles?
- | H | T | U |
|--------------|--------------|---|
| 1 | 10 | |
| 2 | 0 | 0 |
| - 1 | 7 | 0 |
| 0 | 3 | 0 |
- Red marbles
Black marbles
More red marbles

Ans. 30 more red marbles than black marbles.

4. **Problem :** Rita has 700 rupees. She went to a mall and spent 300 rupees. How many rupees were left with Rita?
- | H | T | U |
|-----|---|---|
| | | |
| 7 | 0 | 0 |
| - 3 | 0 | 0 |
| 4 | 0 | 0 |
- Rita has
She spent
Rupees left

Ans. Rupees 400 is left with Rita.

Addition and Subtraction

F.A. – Oral

- | | | | | |
|----|------|------|------|-------|
| 1. | 1.22 | 2.40 | 3.50 | 4.40 |
| | 5.7 | 6.51 | 7.61 | 8.136 |

F. A. – Class Work

2.

1. [Note : Teacher please note the above is not a word problem. It is the information of the question.]

2. **Ans.** 115 books together.

H	T	U	
1			
	7	5	Tony
+	4	0	Sonu
1	1	5	Together

3. **Ans.** 35 more books Tony has.

H	T	U	
	7	5	Tony
-	4	0	Sonu
	3	5	More books

4. **Ans.** 5 more books Nandu has.

H	T	U	
	7	10	
	8	8	Nandu
-	7	5	Tony
	0	5	More books

5. **Ans.** Sonu has to buy 35 books.

H	T	U	
	7	5	Tony
-	4	0	Sonu
	3	5	To buy

F. A. – Home Work

3.

1. **Problem :** Ram has 150 red marbles, Gopal has 220 blue marbles and Rajesh has 75 green marbles. How many marbles did they have in all?

H	T	U	
1			
1	5	0	Red marbles
+ 2	2	0	Blue marbles
+	7	5	Green marbles
4	4	5	Marbles in all

Ans. They had 445 marbles in all.

2. **Problem :** Salma obtained 272 marks, Nadu obtained 245 marks and Sonu obtained 331 marks. What is the total marks of the children?

H	T	U	
1			
2	7	2	Salma's marks
+ 2	4	5	Nadu's marks
+ 3	3	1	Sonu's marks
8	4	8	Total marks

Ans. Total marks 848.

3. **Problem :** In a game of cricket Ashok scored 110 runs, Salim scored 92 runs and David scored 48 runs. What is the total runs scored by them?

H	T	U	
1	1		
1	1	0	Ashok
+	9	2	Salim
+	4	8	David
2	5	0	Total runs

Ans. Total 250 runs scored.

4. [Note : Teacher please delete this question as it is wrongly printed.]

5. Multiplication

F.A. – Class Work

1. 1.200 2.9 H 3.700 4.120 5.8 H
 6.400 7.80 8.25 H 9.200

2.

×	50	6	150
3	150	18	+ 18
$56 \times 3 = 168$			168

×	40	2	120
3	120	6	+ 6
$42 \times 3 = 126$			126

×	50	1	300
6	300	6	+ 6
$51 \times 6 = 306$			306

×	70	3	350
5	350	15	+ 15
$73 \times 5 = 365$			365

×	30	9	240
8	240	72	+ 72
$39 \times 8 = 312$			312

S.A. – Home Work

1.

×	20	5	200
10	200	50	+ 50
2	40	10	+ 10
$25 \times 12 = 300$			300

×	40	3	800
20	800	60	+ 60
3	120	9	+ 9
$43 \times 23 = 989$			989

×	60	2	600
10	600	20	+ 20
3	180	6	+ 6
$62 \times 13 = 806$			806

×	30	2	300
10	300	20	+ 20
4	120	8	+ 8
$32 \times 14 = 448$			448

×	10	3	200
20	200	60	+ 60
7	70	21	+ 21
$13 \times 27 = 351$			351

×	50	6	500
10	500	60	+ 60
6	300	36	+ 36
$56 \times 16 = 896$			896

×	70	1	700
10	700	10	+ 10
2	140	2	+ 2
$71 \times 12 = 852$			852

×	20	9	400
20	400	180	+ 180
9	180	81	+ 81
$29 \times 29 = 841$			841

F.A. – Class Work

1.

T	U	T	U	T	U	T	U	T	U
4	2	2	4	2	2	3	3	3	1
×	2	×	2	×	4	×	2	×	3
8	4	4	8	8	8	6	6	9	3

F. A. – Home Work

2.

T	U	T	U	T	U	T	U	T	U
1		2		1		2		3	
2	6	1	5	2	4	2	7	1	5
×	3	×	5	×	3	×	3	×	6
7	8	7	5	7	2	8	1	9	0

H	T	U	H	T	U	H	T	U	H	T	U
	2						2			1	
	3	6		4	0		5	4		9	2
×		4	×		8	×		7	×		8
1	4	4	3	2	0	3	7	8	7	3	6

H	T	U	H	T	U	H	T	U	H	T	U
				1			1			4	
	5	0		6	6		4	6		7	6
×		2	×		2	×		3	×		8
1	0	0	1	3	2	1	3	8	6	0	8

Multiplication : Word Problems

F.A. – Class Work

1.
$$\begin{array}{r} \underline{\quad 2} \\ 85 \text{ Cost of one book} \\ \times 5 \text{ Number of books} \\ \hline 425 \text{ Rupees} \end{array}$$

Cost of books 425 rupees.

2.
$$\begin{array}{r} \underline{\quad 3} \\ 95 \text{ Cost of one metre} \\ \times 6 \text{ Number of metres} \\ \hline 570 \text{ Rupees} \end{array}$$

Cost of cloth 570 rupees.

3.
$$\begin{array}{r} \underline{\quad 40} \\ 40 \text{ Cost of one litre milk} \\ \times 3 \text{ Number of litre} \\ \hline 120 \text{ Rupees} \end{array}$$

Cost of milk 120 rupees.

4.
$$\begin{array}{r} \underline{\quad 3} \\ 25 \text{ Children in a row} \\ \times 7 \text{ Number of rows} \\ \hline 175 \text{ Children} \end{array}$$

Total 175 children.

5.
$$\begin{array}{r} \underline{\quad 1} \\ 53 \text{ Cost of one towel} \\ \times 6 \text{ Number of towels} \\ \hline 318 \text{ Rupees} \end{array}$$

Cost of towels 318 rupees.

6.
$$\begin{array}{r} \underline{\quad 1} \\ 72 \text{ Apples in one box} \\ \times 5 \text{ Number of boxes} \\ \hline 360 \text{ Apples} \end{array}$$

Total 360 apples.

S. A. – Class Work

1.
$$\begin{array}{r} \underline{\quad 40} \\ 40 \text{ Laddoos in a box} \\ \times 9 \text{ Number of boxes} \\ \hline 360 \text{ Laddoos} \end{array}$$

Total 360 laddoos in 9 boxes.

2. **Problem :** 48 pomegranates in one box. How many pomegranates in 7 boxes?

$$\begin{array}{r} \underline{\quad 5} \\ 48 \text{ Pomegranates in one box} \\ \times 7 \text{ Number of boxes} \\ \hline 336 \text{ Pomegranates} \end{array}$$

Total 336 pomegranates in 7 boxes.

3. **Problem :** 15 trees in one row. How many trees in 9 rows?

$$\begin{array}{r} 4 \\ \hline 15 \text{ Trees in one row} \\ \times \quad 9 \text{ Number of row} \\ \hline 135 \text{ Trees} \end{array}$$

Total 135 trees in 9 rows.

4. **Problem :** One box has 20 laddoos. How many laddoos in 8 boxes?

$$\begin{array}{r} \\ \hline 20 \text{ Laddoos in one box} \\ \times \quad 8 \text{ Number of boxes} \\ \hline 160 \text{ Laddoos} \end{array}$$

Total 160 laddoos in 8 boxes.

5. [Note : Teacher please delete this question as it is wrongly printed.]
-

6. **Problem :** One book cost ₹ 36. How much will 7 books cost?

$$\begin{array}{r} 4 \\ \hline 36 \text{ Cost of one book} \\ \times \quad 7 \text{ Number of books} \\ \hline 252 \text{ Rupees} \end{array}$$

Cost of 7 books ₹ 252.

7. **Problem :** 12 students sat in one row. How many students in 7 rows?

$$\begin{array}{r} 1 \\ \hline 12 \text{ Students in one row} \\ \times \quad 7 \text{ Number of rows} \\ \hline 84 \text{ Students} \end{array}$$

Total 84 students in 7 rows.

8. **Problem :** 56 mangoes in one box. How many mangoes in 9 boxes?

$$\begin{array}{r} 5 \\ \hline 56 \text{ Mangoes in one box} \\ \times \quad 9 \text{ Number of boxes} \\ \hline 504 \text{ Mangoes} \end{array}$$

Total 504 mangoes in 9 boxes.

9. **Problem :** One pen cost ₹ 27. How much will 6 pens cost?

$$\begin{array}{r} 4 \\ \hline 27 \text{ Cost of one pen} \\ \times \quad 6 \text{ Number of pens} \\ \hline 162 \text{ Rupees} \end{array}$$

Cost of 6 pens ₹ 162.

BOOK - IV

6. Division

F. A. – Oral

1.	Total apples	Suma	Raju	Meena	Anju
	8	2	2	2	2

Each one got 2 apples.

2.	Total biscuits	Each one's share		
	12	Raju	Sanju	Anita
		4	4	4

On sharing the biscuits equally, each one got 4 biscuits.

3. (a)	Total fruits	1st person	2nd person
	18	9	9

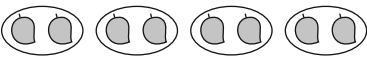

(b)	Total fruits	1st person	2nd person	3rd person
	18	6	6	6

(c)





Total fruits	1st person	2nd person	3rd person	4th person	5th person	6th person
18	3	3	3	3	3	3

F. A. – Class Work

4.

Total number of mangoes	Mangoes in one lot	Total number of lots	
8	2	4	
8	4	2	

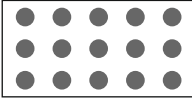
5.

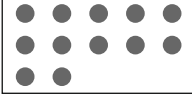
Total number of cucumbers	Number of cucumbers in one lot	Total number of lots	
10	1	10	
10	2	5	
10	5	2	
10	10	1	


6. a. 3 b. 4 c. 6 d. 2


F.A. – Activity


1. 8 2. 6 3. 3


4.  Doctor gave Nandu 15 pills.

 The first day, he took 3 pills from 15.
 $15 - 3 = 12$ 12 pills left

 The second day, he took 3 pills from 12.
 $12 - 3 = 9$ 9 pills left

 The third day, he took 3 pills from 9.
 $9 - 3 = 6$ 6 pills left

 The fourth day, he took 3 pills from 6.
 $6 - 3 = 3$ 3 pills left

 The fifth day, he took 3 pills from 3.
 $3 - 3 = 0$ No pills left
 In other words, zero (0) pills are left

S. A. – Home Work

1.

$\begin{array}{r} 4 \\ 9 \overline{) 36} \\ - 36 \\ \hline 0 \end{array}$	$\begin{array}{r} 6 \\ 7 \overline{) 42} \\ - 42 \\ \hline 0 \end{array}$	$\begin{array}{r} 8 \\ 8 \overline{) 64} \\ - 64 \\ \hline 0 \end{array}$	$\begin{array}{r} 9 \\ 6 \overline{) 54} \\ - 54 \\ \hline 0 \end{array}$	$\begin{array}{r} 7 \\ 8 \overline{) 58} \\ - 58 \\ \hline 0 \end{array}$
---	---	---	---	---

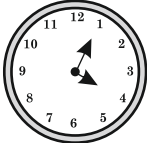



$\begin{array}{r} 8 \\ 6 \overline{) 49} \\ - 48 \\ \hline 1 \end{array}$	$\begin{array}{r} 9 \\ 5 \overline{) 47} \\ - 45 \\ \hline 2 \end{array}$	$\begin{array}{r} 4 \\ 7 \overline{) 29} \\ - 28 \\ \hline 1 \end{array}$	$\begin{array}{r} 13 \\ 4 \overline{) 54} \\ - 4 \downarrow \\ \hline 14 \\ - 12 \\ \hline 2 \end{array}$	$\begin{array}{r} 21 \\ 3 \overline{) 64} \\ - 6 \downarrow \\ \hline 4 \\ - 3 \\ \hline 1 \end{array}$
---	---	---	---	---

$\begin{array}{r} 16 \\ 5 \overline{) 80} \\ - 5 \downarrow \\ \hline 30 \\ - 30 \\ \hline 0 \end{array}$	$\begin{array}{r} 33 \\ 2 \overline{) 66} \\ - 6 \downarrow \\ \hline 06 \\ - 6 \\ \hline 0 \end{array}$	$\begin{array}{r} 32 \\ 3 \overline{) 97} \\ - 9 \downarrow \\ \hline 07 \\ - 6 \\ \hline 1 \end{array}$	$\begin{array}{r} 11 \\ 7 \overline{) 80} \\ - 7 \downarrow \\ \hline 10 \\ - 7 \\ \hline 3 \end{array}$	$\begin{array}{r} 9 \\ 6 \overline{) 59} \\ - 54 \\ \hline 05 \end{array}$
---	--	--	--	--


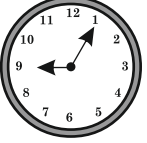
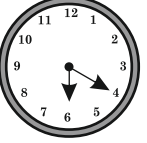
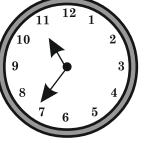
7. Measurement of Time

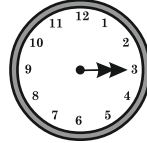
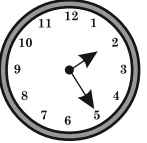


F.A. – Class Work

1.

			
4 : 05	3 : 20	8 : 35	10 : 55

2.

10 minutes past 5	5 minutes past 9	20 minutes past 6	36 minutes past 11
			

15 minutes past 3	25 minutes past 2	10 minutes past 7	18 minutes past 10
			

S.A. – Class Work

- [To be done by students.]
- [To be done by students.]

8. The Calendar

F.A. – Oral


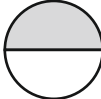

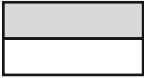

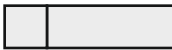
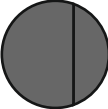


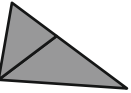
- (1) four (2) Thursday, Friday and Saturday
(3) 31 days (4) 18
(5) Sunday, Monday, Tuesday, Wednesday
(6) 2, 9, 16, 23 and 30
(7) Thursday, Saturday, Monday
(8) Saturday (9) 26 (10) Saturday

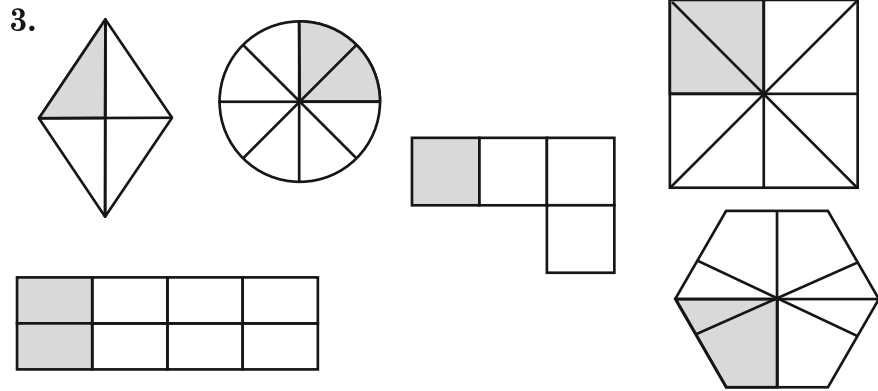
S.A. – Class Work

- [To be done by students.]
- S.A. – Activity**
- [To be done by students.]

9. Fractions

F.A. – Activity

- 




- 







Class Work

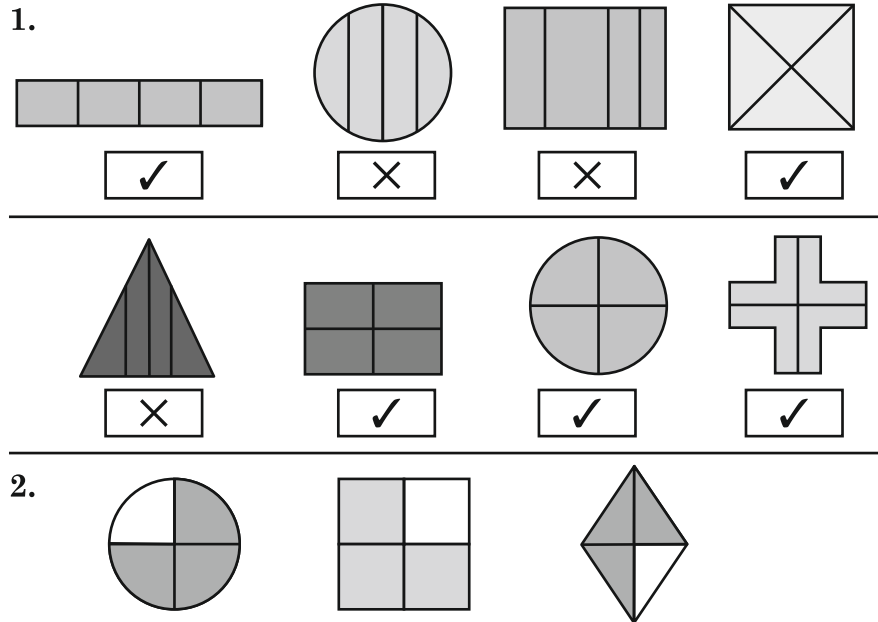


Figure						
Coloured part	Half	Quarter	Half	Three quarter	Half	Three quarter
White part	Half	Three quarter	Half	Quarter	Half	Quarter

F.A. – Class Work

- Anagha gave rupees twenty five to her brother.
- 12 metres be marked off from one end.
- It takes 3 hours to travel from Solapur to Latur.
- Vinod is 7 years old.

F.A. – Oral

- (1) 12 metre length of cloth (2) 20 rupees
- (3) 30 kilograms of sugar (4) 3 litres
- (5) 45 rupees (6) 2 hours 20 minutes

F.A. – Home Work

1.

2.

3.

4.

Three quarter

5.

- Shruti is 4 years old.
- Sonali has 5 metres of cloth left. She gave Ramu 5 metres of cloth.

10. Handling Data

F.A. – Class Work

1.	Name of plant	Tally marks	Total number of plants
	Rose		8
	Hibiscus		4
	Lotus		5
	Sunflower		2

F.A. – Activity

2.

Name of sweet dish	Tally marks	Number of children
<i>Jalebi</i>		4
<i>Laddoo</i>		7
<i>Gulabjamun</i>		11
Other sweet dishes		3

(a) *Gulabjamun*

(b) 3

3.

1. [To be done by students.]

F.A. – Class Work

1. [To be done by students.]

2. (a) 6 crops (b) 5

(c) Sugarcane (d) Jowar

3.

Form of entertainment	Tally marks	Number of children
Played games		7
Watched TV		3
Took a walk in a garden		4
Read a story-book		8

(a) 22 (b) 4 (c) Watched TV

4. [To be done by students.]

5. [(a), (b), (c), (d) to be done by students.]

* * * *