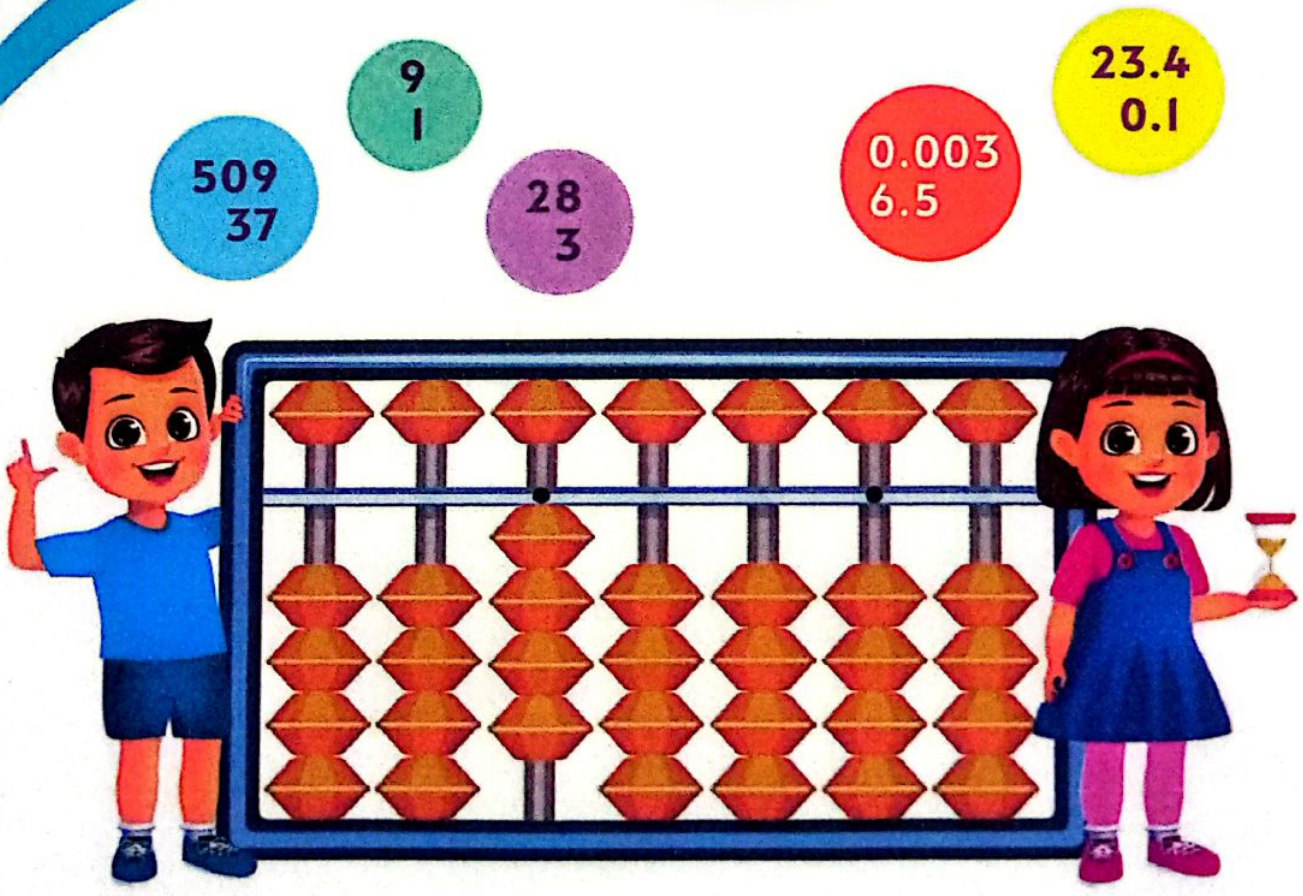
WORLD'S KEY

Soroban

LEVEL 4





WORLD'S KEY

SOROBAN

LEVEL 4

2024

SOROBAN

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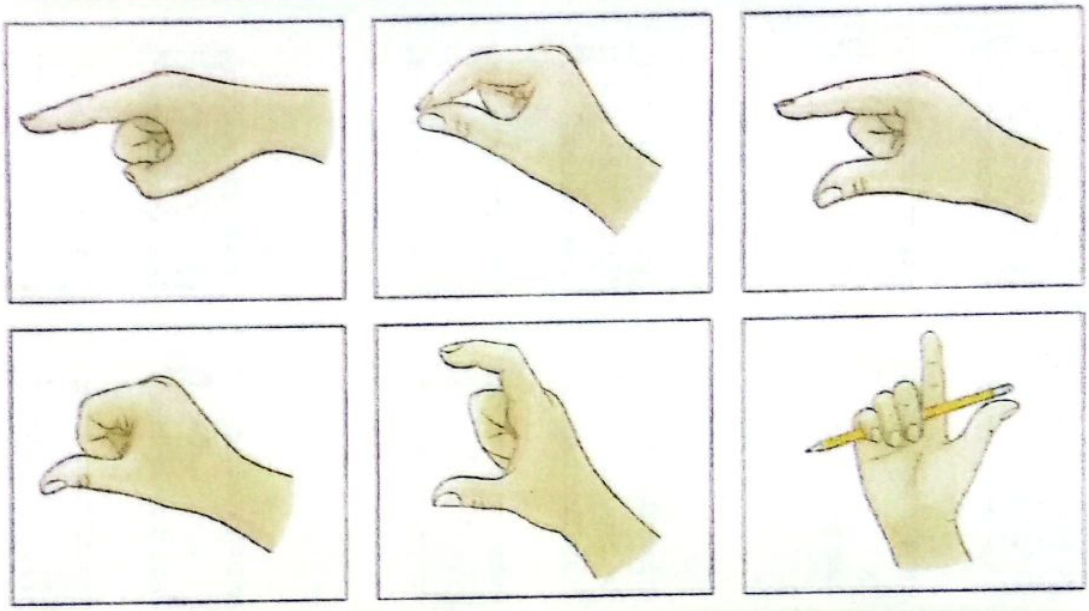
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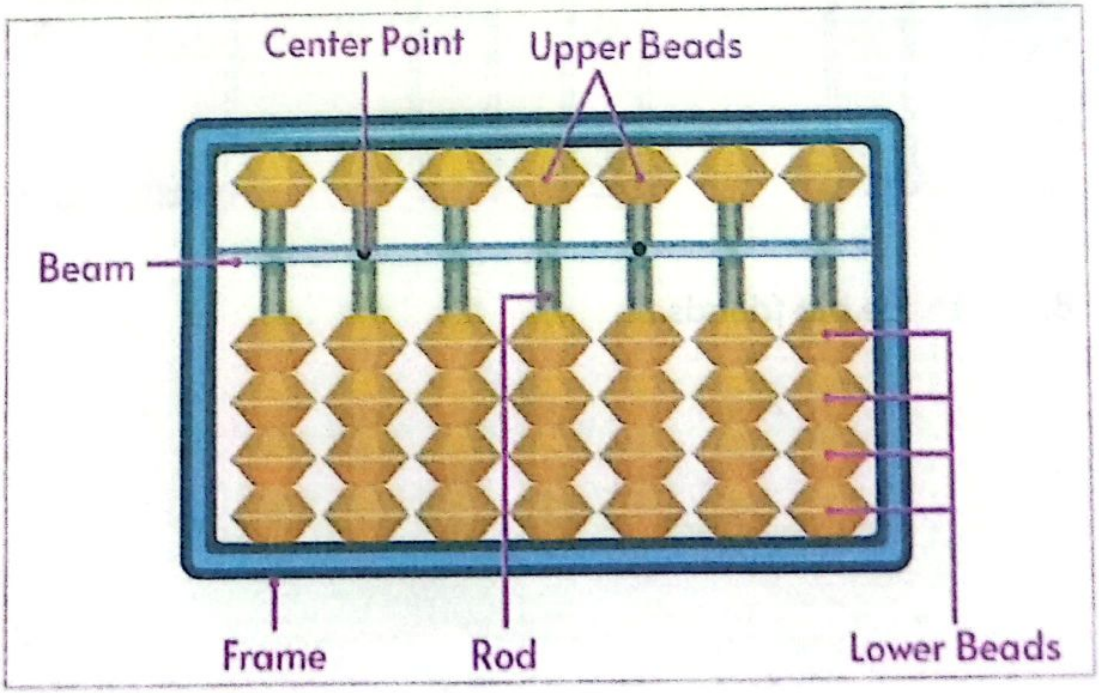
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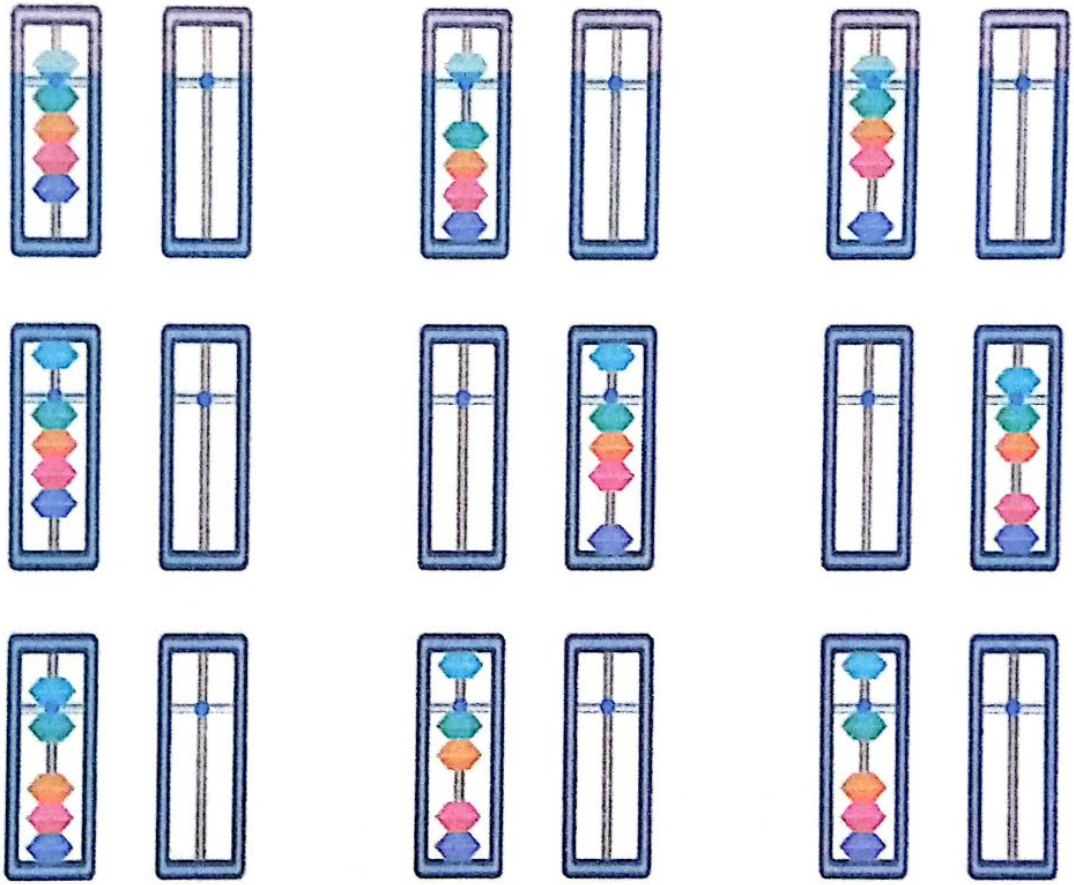
Finger Position



Soroban Parts



A. Draw **beads to make 10.**



B. Match **the big friends.**

1	2	5	4	3
8	9	6	7	5

LESSON 1 REVISION S.F. FORMULAS



Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
42	13	25	39	69	14	33	54	79	66
-21	75	71	50	-24	52	53	-11	20	-23
57	-34	-44	-46	-11	-13	-21	26	-63	-32
-63	-11	-32	11	55	25	-22	-59	-36	44
54	22	38	-22	-31	-38	-23	45	19	-11

B.

11	12	13	14	15	16	17	18	19	20
42	53	94	45	67	99	73	21	51	84
23	33	-72	51	-43	-44	14	34	-11	11
-41	10	32	-43	-11	-11	-43	-21	28	-71
32	-22	21	-13	74	22	45	32	10	20
-12	-31	-51	24	12	-33	10	-14	-35	32

C.

21	22	23	24	25	26	27	28	29	30
12	23	36	16	99	630	736	772	804	465
74	42	22	72	-26	330	253	114	131	321
-33	-32	-23	-33	13	-810	-989	-211	-321	213
10	-10	14	14	-42	-110	411	-211	-201	-258
22	24	40	20	12	522	324	114	472	-300



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
5	6	8	7	3	1	8	4	1	3
4	3	-5	2	4	4	-3	2	6	2
-3	-2	4	-9	-2	4	-4	1	1	1
-2	2	1	1	3	-8	-1	-3	-4	-3
1	-8	-7	4	-8	4	3	5	1	6
-3	2	6	-5	3	-2	1	-8	-4	-9
1	1	2	3	4	3	-4	6	-1	5

E.

11	12	13	14	15	16	17	18	19	20
69	81	77	71	35	65	12	99	59	32
20	14	11	14	24	12	50	-44	-11	26
-53	-32	-43	-41	10	22	-41	-12	31	41
42	21	12	12	-32	-51	72	45	-46	-33
20	11	-34	-32	60	30	-93	-85	52	-23

F.

21	22	23	24	25	26	27	28	29	30
31	63	55	52	21	592	799	856	123	178
22	13	42	-10	62	-110	-433	-112	742	321
14	23	-36	33	13	313	-123	234	-332	400
-31	-55	-20	-42	-34	-462	542	-642	100	-595
53	31	17	53	-31	523	-241	-222	224	331

LESSON 2 +9=-1+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
1 9	2 9	3 9	4 9	6 9	7 9	8 9	9 9	9 -2	9 -9

B.

11	12	13	14	15	16	17	18	19	20
2 9 6	3 9 5	8 1 9	4 9 6	1 9 9	7 9 -1	9 -5 9	4 -2 9	1 2 9	5 2 9

C.

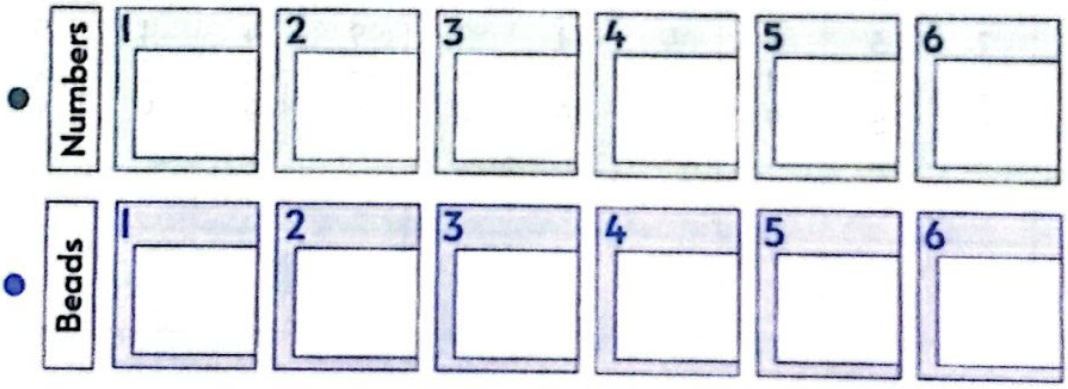
21	22	23	24	25	26	27	28	29	30
4 4 9 9	9 9 9 9	6 -4 9 4	5 -1 9 3	9 -6 3 9	5 4 9 -8	1 9 3 4	7 -3 9 9	9 -8 9 8	3 2 -4 9

D. Speed Writing

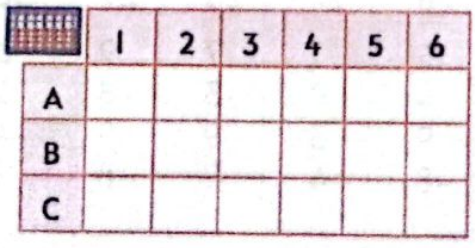
Score: _____

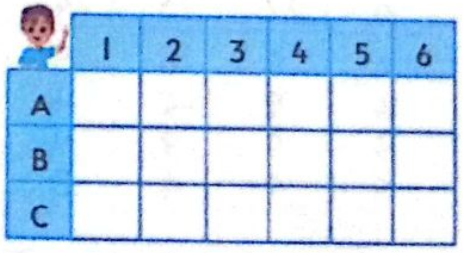
0123456789	9876543210

E. Memory Cards



F. Listening





G. Finger Practice

1 2 3

LESSON 2 +9=-1+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
5	6	6	2	9	7	5	6	1	7
2	3	9	9	9	2	-2	-2	3	-4
9	9	-1	7	-8	-8	9	4	9	9
-3	-4	3	-5	9	9	3	9	-2	4
9	1	2	4	-6	5	-1	9	4	-3

B.

11	12	13	14	15	16	17	18	19	20
71	63	4	51	20	4	21	83	9	15
6	5	69	-40	2	73	7	9	-9	-3
-76	-16	19	8	9	12	-8	-70	19	29
9	9	3	-5	14	9	19	4	29	41

C.

21	22	23	24	25	26	27	28	29	30
90	92	11	44	19	15	18	16	51	10
9	90	99	22	29	-2	-7	-5	-30	9
90	-2	7	9	-6	9	9	9	9	59
9	9	9	-5	3	19	-20	50	9	-4



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
1 8	1 9	2 9	9 9	4 9	7 9	3 9	8 9	6 9	4 5

E.

11	12	13	14	15	16	17	18	19	20
4 -1 9	9 -8 9	7 9 -5	3 6 9	2 2 9	8 -6 9	5 4 -9	8 9 -7	3 5 9	7 2 -4

F.

21	22	23	24	25	26	27	28	29	30
2 3 1 9	7 -4 9 3	5 4 -6 9	6 -2 4 9	6 9 -1 9	9 9 -7 9	3 5 9 -1	1 9 9 -5	4 9 3 -2	9 9 9 -4

LESSON 3 +9=-1+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
9	6	4	9	9	5	4	8	7	9
9	9	9	-8	-7	-4	3	-4	9	-9
9	1	3	9	9	9	-4	9	-3	9
9	9	9	2	4	5	9	2	9	9
9	1	1	9	2	-4	4	1	4	-5
-1	9	-4	4	-3	9	9	9	9	-3

B.

11	12	13	14	15	16	17	18	19	20
18	6	3	9	79	59	29	10	14	11
9	19	13	-8	-5	39	-7	10	9	21
19	4	59	19	9	-2	9	9	14	9
-2	69	4	19	10	-2	-1	9	-3	5

C.

21	22	23	24	25	26	27	28	29	30
11	40	62	94	59	78	22	87	73	90
12	90	90	-12	19	19	10	-21	99	91
19	19	39	99	-24	-97	-11	19	99	92
14	-36	-50	-71	19	36	39	-42	99	93
19	79	49	45	-73	59	-10	39	99	90

D. Speed Writing

Score: _____

0123456789	9876543210

E. Memory Cards

	1	2	3	4	5	6
Numbers						
Beads						

F. Listening



	1	2	3	4	5	6
A						
B						
C						



	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice

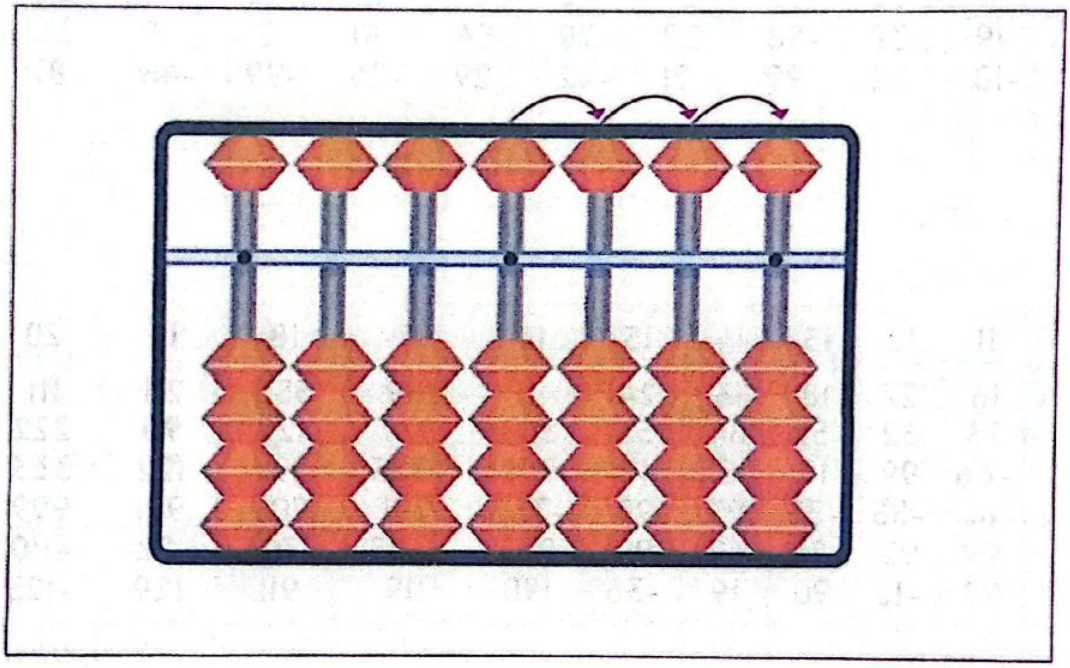
1 ☐ 2 ☐ 3 ☐

Training

Time:

Mark: /10

To locate decimals on the soroban, move to the right starting from the center point.



D.

1	2	3	4	5	6	7	8	9	10
1.1 1.2	1.3 1.1	2.1 2.1	2.2 2.2	2.3 2.1	2.4 2	3.1 1.2	1.3 3.1	4.4 -1.1	4.2 -2

LESSON 4 +8=-2+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
2 8	3 8	4 8	7 8	8 8	9 8	8 -5	1 8	9 -8	8 -6

B.

11	12	13	14	15	16	17	18	19	20
6 1 8	8 8 1	3 8 5	2 2 8	7 -5 8	8 -6 8	1 1 8	9 -7 8	4 8 2	7 8 4

C.

21	22	23	24	25	26	27	28	29	30
8 8 3 8	8 8 -5 8	3 8 4 -5	8 -8 8 8	2 6 8 -1	7 8 -5 9	9 8 2 8	1 5 1 8	6 -3 8 -1	4 8 8 8

D. Speed Writing

Score: _____

0123456789	9876543210

E. Memory Cards

	1	2	3	4	5	6
Numbers						
Beads						

F. Listening



	1	2	3	4	5	6
A						
B						
C						



	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice

1 ☐ 2 ☐ 3 ☐

LESSON 4 +8=-2+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
3 2 2 8 -2	3 3 3 8 8	3 4 1 8 -4	3 2 -2 8 8	3 3 -3 8 4	4 1 2 8 -5	4 8 8 5 -1	4 3 -4 8 7	9 8 1 8 -6	9 -5 8 6 8

B.

11	12	13	14	15	16	17	18	19	20
10 8 8 10	11 8 18 2	12 8 4 58	23 12 4 8	4 44 8 -31	3 4 18 74	55 33 8 -3	19 -8 11 8	15 -1 18 7	24 68 4 -2

C.

21	22	23	24	25	26	27	28	29	30
18 18 -6 8	27 28 -1 8	42 8 -50 9	19 18 9 9	20 2 8 33	33 8 -11 8	44 -2 8 -10	47 8 -32 9	81 9 80 5	24 3 8 -35



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
1 8	6 2	3 8	8 -4	7 8	9 8	8 8	4 8	2 8	8 -8

E.

11	12	13	14	15	16	17	18	19	20
8 8 -4	5 2 8	8 9 8	9 -8 8	9 9 -8	3 3 3	2 2 8	5 4 8	1 8 8	4 4 8

F.

21	22	23	24	25	26	27	28	29	30
8 8 9 -1	9 8 9 -3	5 2 8 -2	8 -5 8 -1	8 -6 8 9	8 9 8 -4	1 1 9 8	2 8 2 8	5 4 8 -7	8 -2 -6 8

LESSON 5 +8=-2+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
8	2	4	4	2	5	4	1	8	5
8	8	8	2	8	-2	4	9	9	-1
-4	3	3	2	2	8	-4	4	8	8
8	4	3	8	8	8	8	8	-3	8
8	-4	8	2	2	9	3	2	8	5
8	8	-5	8	8	8	2	8	9	-4

B.

11	12	13	14	15	16	17	18	19	20
18	17	28	47	11	8	16	20	33	44
18	8	19	8	9	18	2	2	8	-2
-4	11	8	-15	12	-6	8	8	8	8
8	-3	-5	8	8	22	-15	-10	19	7

C.

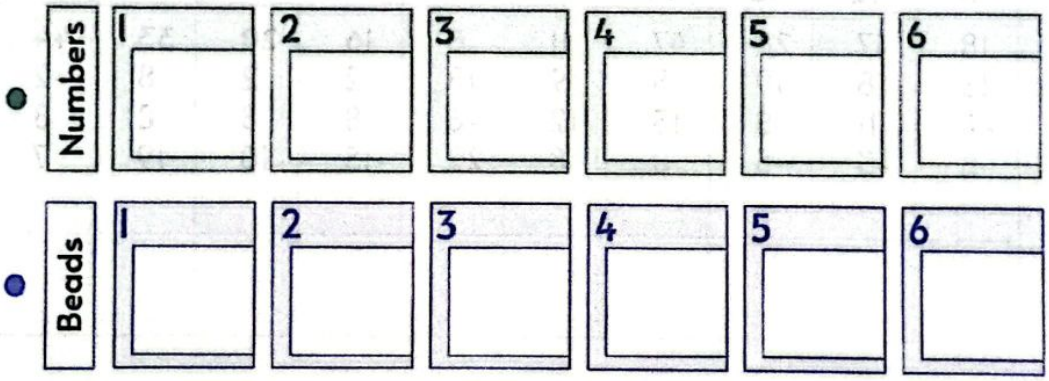
21	22	23	24	25	26	27	28	29	30
10	13	26	73	13	15	14	68	72	18
2	9	-4	8	88	-2	3	-5	8	8
18	8	8	-10	29	28	58	8	82	19
8	57	16	18	5	48	-2	19	8	-1
18	8	9	8	-1	8	8	7	3	8

D. Speed Writing

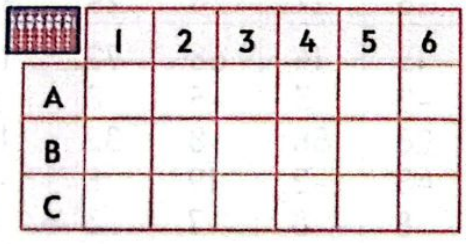
Score: _____

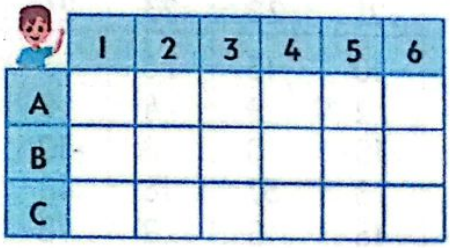
0123456789	9876543210

E. Memory Cards



F. Listening





G. Finger Practice

1 ☐ 2 ☐ 3 ☐

LESSON 5 +8=-2+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
17	24	88	66	35	15	81	36	19	99
18	13	88	22	-11	-13	18	-14	-16	88
-35	11	81	88	19	68	88	68	48	99
47	58	18	-75	28	80	99	-90	19	80

B.

11	12	13	14	15	16	17	18	19	20
80	80	17	14	22	115	804	811	999	613
80	90	-14	14	22	923	168	118	989	158
10	80	78	18	88	188	-720	888	898	219
80	-10	89	39	88	533	628	888	989	-990
-30	90	-40	82	22	228	119	111	984	333

C.

21	22	23	24	25	26	27	28	29	30
18	24	34	82	73	321	999	217	800	708
18	24	43	88	98	488	-777	218	800	908
80	48	88	82	89	-503	888	214	900	909
80	82	94	28	-30	869	999	219	400	-115
90	89	28	82	69	184	888	118	800	363
80	-67	-86	28	-99	-305	888	-116	800	118



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
1.1 1.1	1.2 1.2	1.3 1.1	1.4 1	2.1 2.1	2.2 2.2	2.3 2.1	2.4 -2.2	3.1 1.3	3.2 1.2

E.

11	12	13	14	15	16	17	18	19	20
3.3 1.1	4.1 -3.1	4.2 -4	4.3 -4.1	4.4 -2.2	4.3 -4.2	4.3 -4.3	4.4 -4.4	1.3 3	1.1 2.1

F.

21	22	23	24	25	26	27	28	29	30
1.2 2.2 -3.3	1.4 3 -4.4	2.3 1.1 -3.2	3.3 1.1 -2.4	1.3 3 -1.2	2.2 2.2 -1.3	1.1 1.1 1.1	4.4 -2.2 -2.2	2.1 1.2 1.1	4.3 -2.1 2.2



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
1.1 1.1	1.2 1.2	1.3 1.1	1.4 1	2.1 2.1	2.2 2.2	2.3 2.1	2.4 -2.2	3.1 1.3	3.2 1.2

E.

11	12	13	14	15	16	17	18	19	20
3.3 1.1	4.1 -3.1	4.2 -4	4.3 -4.1	4.4 -2.2	4.3 -4.2	4.3 -4.3	4.4 -4.4	1.3 3	1.1 2.1

F.

21	22	23	24	25	26	27	28	29	30
1.2 2.2 -3.3	1.4 3 -4.4	2.3 1.1 -3.2	3.3 1.1 -2.4	1.3 3 -1.2	2.2 2.2 -1.3	1.1 1.1 1.1	4.4 -2.2 -2.2	2.1 1.2 1.1	4.3 -2.1 2.2

LESSON 6 +7=-3+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
2 7	3 7	4 7	8 7	9 7	7 -7	7 -4	9 -7	7 2	4 3

B.

11	12	13	14	15	16	17	18	19	20
3 7 7	2 2 7	4 7 2	4 5 7	7 2 7	7 1 7	8 7 -5	6 3 7	5 3 7	8 7 -2

C.

21	22	23	24	25	26	27	28	29	30
3 7 3 7	3 3 3 7	2 4 3 7	5 -1 7 4	7 2 7 -6	7 -4 7 7	8 7 3 7	7 -6 7 7	9 7 -2 7	5 4 7 -3

D. Speed Writing

Score: _____

0123456789	9876543210

E. Memory Cards

	1	2	3	4	5	6
Numbers						
Beads						

F. Listening

	1	2	3	4	5	6
A						
B						
C						



	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice

1 2 3

LESSON 6 +7=-3+10

Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
6	2	9	7	2	7	3	6	5	8
-3	4	8	1	7	-4	3	-4	-1	8
7	2	1	7	-1	7	9	8	8	9
3	7	7	-5	7	7	4	8	6	3
7	2	4	7	-4	-3	7	7	7	7

B.

11	12	13	14	15	16	17	18	19	20
10	80	15	25	14	55	59	17	69	16
8	70	-1	-12	7	-13	9	-4	7	62
10	8	7	7	15	7	7	7	9	7
7	7	11	7	-3	7	-1	7	-22	-5

C.

21	22	23	24	25	26	27	28	29	30
17	9	70	13	33	28	39	9	66	99
18	7	7	13	77	7	78	7	33	78
4	19	2	13	3	22	8	59	7	9
7	70	17	7	7	9	-4	80	-6	-3



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
7 2	3 7	4 7	8 7	9 7	8 8	8 9	7 9	7 8	7 -7

E.

11	12	13	14	15	16	17	18	19	20
8 7 -5	5 3 7	5 -1 7	4 4 7	6 2 7	9 7 -6	9 9 7	5 -2 7	2 2 7	4 1 4

F.

21	22	23	24	25	26	27	28	29	30
7 2 7 2	9 7 9 -3	8 7 -2 7	8 8 9 -5	1 7 7 1	5 -3 2 7	1 1 1 7	7 -6 7 7	5 4 7 -6	6 3 7 9

LESSON 7 +7=-3+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
9	2	7	3	9	9	5	4	3	5
-2	9	8	1	7	9	1	3	4	-2
-3	8	-2	3	-1	7	9	9	-3	7
4	7	7	-4	-1	2	4	3	7	5
7	-5	3	7	7	8	7	7	7	-2
-1	9	7	7	9	-2	1	-3	8	7

B.

11	12	13	14	15	16	17	18	19	20
12	14	17	14	7	55	25	59	69	14
2	7	-4	14	58	-12	-22	9	97	7
17	14	7	7	13	7	7	27	-4	15
7	-1	25	-4	7	5	7	-3	3	9

C.

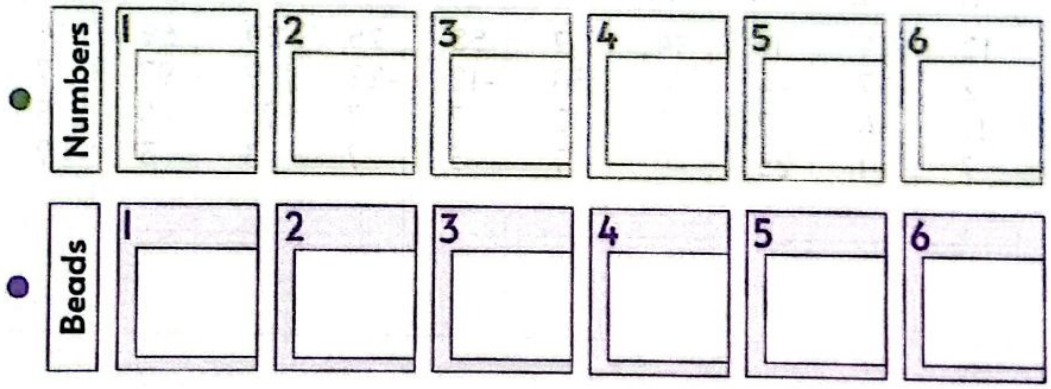
21	22	23	24	25	26	27	28	29	30
47	50	28	24	33	54	49	23	23	18
2	40	17	35	77	4	79	6	23	97
-31	70	40	-59	9	27	87	47	70	4
17	8	-85	8	57	71	-1	-32	9	37
53	7	9	17	89	11	67	74	80	-43

D. Speed Writing

Score: _____

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

E. Memory Cards



F. Listening

	1	2	3	4	5	6
A						
B						
C						

	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice

1 ☐ 2 ☐ 3 ☐

LESSON 7 +7=-3+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
30	44	88	17	13	11	17	42	32	87
70	77	77	-13	57	19	12	72	32	78
30	44	-42	27	88	11	27	67	97	94
70	94	87	44	37	91	29	14	18	49

B.

11	12	13	14	15	16	17	18	19	20
24	27	18	37	11	554	118	504	903	105
24	99	18	71	11	405	197	161	717	-101
77	80	19	27	11	728	884	334	181	237
83	43	-14	92	11	-132	777	789	991	224
97	27	76	-24	77	410	-906	987	-551	794
51	-33	88	87	77	792	389	-332	344	-119

C.

21	22	23	24	25	26	27	28	29	30
30	28	77	55	33	777	999	118	800	227
70	97	-55	-11	14	989	-562	197	700	772
19	32	77	97	72	111	791	792	444	-555
19	12	77	79	60	788	511	431	777	777
28	37	89	84	-33	-314	227	-333	-721	889
-66	52	90	48	91	700	-622	974	777	444



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
5.1 1.5	5.2 2.5	6.3 3.6	6.4 3	7.1 2.7	8.2 1.1	9.8 0.1	9.6 0.3	6.5 3.4	5.4 4.5

E.

11	12	13	14	15	16	17	18	19	20
6.3 -1.2	7.3 2.5	8.4 1.5	9.9 -7.6	8.8 -5.5	6.1 -5	3.3 6.1	4.7 -2.6	8.2 1.7	9.9 -9.3

F.

21	22	23	24	25	26	27	28	29	30
3.3 1.1 5.5	4.6 5.3 -9.9	8.1 -6 2.5	1.1 1.1 -2.1	8.7 -2.6 1.8	9.1 -8.1 3.3	8.6 -6.5 2.2	2.2 5.2 2.5	7.9 -6.8 1.2	3.4 1 -4.4

LESSON 8 +6=-4+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
4 6 1	9 6 4	6 3 6	5 4 6	4 6 4	5 -1 6	9 6 -2	8 1 6	2 7 6	3 6 6

B.

11	12	13	14	15	16	17	18	19	20
6 -2 6	7 -3 6	8 -4 6	9 -5 6	4 6 3	1 8 6	2 2 6	1 3 6	4 5 6	9 6 -3

C.

21	22	23	24	25	26	27	28	29	30
4 4 1 6	9 6 4 6	5 -1 6 5	3 3 3 6	7 -3 6 6	6 -2 6 6	4 6 4 6	6 9 4 6	8 8 3 6	5 -2 6 6

D. Speed Writing

Score: _____

0123456789	9876543210

E. Memory Cards

	1	2	3	4	5	6
Numbers						
Beads						

F. Listening



	1	2	3	4	5	6
A						
B						
C						



	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice

1 ☐ 2 ☐ 3 ☐

LESSON 8 +6=-4+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
6 -2 6 4 6	3 4 -3 6 2	4 4 -4 6 4	9 6 3 7 -1	8 7 4 6 -1	5 2 2 6 4	6 9 4 6 -3	8 7 4 6 -4	9 9 9 2 6	8 8 3 6 -2

B.

11	12	13	14	15	16	17	18	19	20
14 16 2 8	16 3 16 3	40 60 4 6	44 6 43 6	50 4 16 7	96 -52 6 6	13 6 26 -1	24 26 5 -4	14 14 1 6	17 68 4 6

C.

21	22	23	24	25	26	27	28	29	30
50 40 60 6	36 13 6 -5	9 26 54 6	41 8 6 -31	16 61 2 6	6 19 64 6	32 47 6 -2	50 6 23 6	44 66 4 6	8 67 4 26



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
1 6	2 6	3 6	4 6	9 6	6 9	9 8	9 7	8 8	7 9

E.

11	12	13	14	15	16	17	18	19	20
8 -4 6	9 -5 6	4 6 6	6 3 6	9 9 -6	3 4 8	2 2 6	6 -2 6	5 4 8	3 7 6

F.

21	22	23	24	25	26	27	28	29	30
7 8 -1 6	9 6 -1 6	8 8 -2 6	7 9 -4 8	6 -2 6 6	9 9 1 6	3 3 3 6	5 -1 6 9	7 -3 6 5	8 1 6 -3

LESSON 9 +6=-4+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
4	5	2	5	4	4	4	8	6	3
-3	-2	2	1	2	6	9	-4	3	7
9	9	3	9	9	4	9	8	6	2
5	8	-4	3	2	6	2	9	-4	8
-1	4	1	-4	8	4	6	3	9	4
6	6	6	6	4	6	7	6	3	6

B.

11	12	13	14	15	16	17	18	19	20
59	43	10	56	67	62	34	14	61	4
6	7	8	9	-30	98	1	16	18	96
-44	24	91	-31	8	6	84	3	6	9
7	6	6	6	-3	-2	6	7	-4	28

C.

21	22	23	24	25	26	27	28	29	30
45	57	54	97	31	88	27	14	68	67
-21	-30	26	68	79	88	28	86	27	98
86	89	-40	-42	9	89	-45	29	-95	-42
9	-2	59	6	46	4	94	8	4	1
17	66	-8	26	91	16	6	-24	46	66

D. Speed Writing

Score: _____

0123456789	9876543210

E. Memory Cards

	1	2	3	4	5	6
Numbers						
Beads						

F. Listening

	1	2	3	4	5	6
A						
B						
C						

	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice

1 ☐ 2 ☐ 3 ☐

LESSON 9 +6=-4+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
55	14	55	67	99	68	57	34	80	79
-14	26	-11	98	66	27	-43	16	74	86
69	63	66	94	-31	-95	96	29	46	-32
47	38	54	36	66	32	48	86	99	24

B.

11	12	13	14	15	16	17	18	19	20
44	59	76	46	66	123	222	448	304	333
66	30	89	81	-22	987	222	497	736	444
44	76	14	22	66	444	368	-511	561	222
-32	94	86	96	42	226	198	176	988	666
66	38	-43	63	49	-330	258	999	178	994
79	-93	88	57	54	611	329	126	991	116

C.

21	22	23	24	25	26	27	28	29	30
56	14	28	42	55	329	142	116	999	613
49	24	11	42	-11	246	313	979	666	207
83	31	76	96	66	-132	621	362	333	830
71	16	92	-40	96	687	711	-113	888	904
26	14	38	62	69	924	-344	788	770	226
11	86	-34	58	-31	316	967	422	909	-350



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
0.1 0.2	0.2 0.2	0.3 0.1	0.4 -0.2	0.5 0.4	0.6 0.2	0.7 0.1	0.8 -0.3	0.9 -0.6	0.4 -0.4

E.

11	12	13	14	15	16	17	18	19	20
0.1 0.3 -0.4	0.2 0.5 0.1	0.3 0.6 -0.9	0.7 -0.2 0.4	0.5 0.4 -0.8	0.9 -0.7 0.6	0.8 0.1 -0.5	0.3 0.5 0.1	0.9 -0.4 -0.5	0.2 0.1 -0.3

F.

21	22	23	24	25	26	27	28	29	30
0.5 0.3 -0.7	0.1 0.8 -0.4	0.3 0.6 -0.3	0.4 -0.2 -0.2	0.1 0.5 -0.6	0.9 -0.2 -0.7	0.4 -0.3 0.6	0.8 -0.5 -0.3	0.9 -0.6 0.5	0.1 0.7 -0.6

LESSON 10 +5=-5+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
5 5 5	6 5 4	7 5 3	8 5 2	9 5 1	4 5 5	9 -4 5	7 1 5	5 5 9	5 -4 5

B.

11	12	13	14	15	16	17	18	19	20
5 -3 5	6 5 8	8 -4 5	9 5 -3	5 5 7	3 2 5	4 3 5	2 3 5	1 4 5	3 4 5

C.

21	22	23	24	25	26	27	28	29	30
5 5 5 5	6 5 4 5	4 1 5 8	8 -3 5 2	5 -2 4 5	5 -1 3 5	5 -3 4 5	9 5 2 5	5 5 3 3	2 3 3 5

D. Speed Writing

Score: _____

0 1 2 3 4 5 6 7 8 9

9 8 7 6 5 4 3 2 1 0

E. Memory Cards

Numbers

1 2 3 4 5 6

Beads

1 2 3 4 5 6

F. Listening

	1	2	3	4	5	6
A						
B						
C						

	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice

1 2 3

D. Speed Writing

Score: _____

0 1 2 3 4 5 6 7 8 9

9 8 7 6 5 4 3 2 1 0

E. Memory Cards

Numbers

1	2	3	4	5	6

Beads

1	2	3	4	5	6

F. Listening

	1	2	3	4	5	6
A						
B						
C						

	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice

1 2 3

LESSON 10 +5 = -5 +10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
5 5 5 5 5	5 5 5 -1 8	8 -6 5 2 5	6 3 5 1 3	9 5 -3 6 5	6 5 8 -4 5	9 9 7 5 6	6 9 5 7 8	9 6 5 8 5	8 8 5 9 3

B.

11	12	13	14	15	16	17	18	19	20
21 6 55 3	55 5 55 5	17 5 16 5	22 3 85 9	10 5 15 4	66 5 4 50	9 95 3 18	8 25 22 5	50 50 4 6	58 57 5 2

C.

21	22	23	24	25	26	27	28	29	30
68 9 12 5	16 5 28 5	78 15 8 2	48 25 2 5	99 55 5 5	15 4 15 6	37 8 45 9	25 25 5 5	96 5 14 45	88 75 3 -4



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
5 5	5 -1	5 -4	5 -2	5 -3	6 5	9 5	8 5	7 5	5 -5

E.

11	12	13	14	15	16	17	18	19	20
5 -1 5	7 5 2	4 3 5	2 4 5	6 -1 5	8 8 5	8 7 5	3 3 5	4 4 5	1 4 5

F.

21	22	23	24	25	26	27	28	29	30
3 3 3 5	9 8 5 4	3 2 5 8	1 1 6 5	7 -2 5 7	3 6 5 3	4 4 -2 5	6 9 5 4	9 -7 3 5	8 -5 3 5

LESSON 11 +5=-5+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
9 5 -4 6 5 7	7 -2 5 8 7 5	9 9 8 5 7 7	8 1 6 5 5 -2	6 9 5 8 -4 6	4 6 7 5 8 1	3 4 5 3 -1 6	4 4 7 5 6 -4	2 3 5 9 6 -2	5 5 5 5 5 5

B.

11	12	13	14	15	16	17	18	19	20
25 5 37 -3	66 95 4 -1	45 65 7 9	52 4 59 -2	18 7 34 7	45 45 5 5	44 8 3 15	37 5 9 24	76 -32 4 5	29 5 56 8

C.

21	22	23	24	25	26	27	28	29	30
55 55 55 55 55	49 57 39 24 16	23 48 -41 27 59	67 -43 86 48 55	22 23 24 -25 26	45 11 -20 65 99	72 53 -21 66 54	94 56 13 92 55	50 28 -34 51 75	99 65 24 87 95

D. Speed Writing

Score: _____

9876543210

E. Memory Cards

	1	2	3	4	5	6
Numbers						
Beads						

F. Listening

	1	2	3	4	5	6
A						
B						
C						

	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice 1 2 3

LESSON 11 +5=-5+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
23	55	47	29	58	78	33	99	61	28
42	-13	-35	76	58	87	24	55	54	27
95	67	36	15	49	95	55	52	85	25
-20	35	55	33	94	59	49	49	17	73

B.

11	12	13	14	15	16	17	18	19	20
56	18	55	39	15	505	555	930	665	718
-12	15	55	46	15	545	555	527	955	297
34	32	99	75	15	236	555	-114	-410	805
85	54	99	16	-11	375	555	768	333	111
97	96	88	-42	74	-230	555	995	567	694
51	-11	63	77	85	659	555	415	106	-402

C.

21	22	23	24	25	26	27	28	29	30
50	15	35	65	88	123	905	608	800	358
15	50	45	-24	55	543	722	515	-400	257
55	15	55	99	22	250	-212	987	150	-110
85	50	65	27	55	605	675	417	555	-102
95	15	75	58	99	-110	155	-103	331	-202
50	15	85	65	55	899	555	-223	669	364



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
1.4 0.5 6	8.2 0.7 -3.5	9.6 0.1 -5.2	8.8 -3.6 1.1	2.2 2.2 0.5	5.4 2 -7.4	1.2 1.2 0.5	0.3 0.6 2	3.3 5.1 -6.2	2.4 -0.3 6.6

E.

11	12	13	14	15	16	17	18	19	20
0.7 0.1 2.1	0.9 -0.6 3.1	8.3 -6.1 5.6	3.3 0.5 5.1	9.9 -3.6 -6.3	8.9 -6.7 1.1	9.3 -5 -2.1	1.8 -0.7 -1	3.4 5.5 -1.9	7.7 -6.1 3.2

F.

21	22	23	24	25	26	27	28	29	30
4.5 5.4 -9.9	8.2 0.5 -2.6	1.3 3.1 -4.2	6.2 2.2 -0.4	1.9 -0.8 1.1	8.6 -6.5 -2.1	3.8 6.1 -9.9	0.4 1.5 -0.9	1.7 2.2 -3.8	2.6 -0.1 5.2

LESSON 12 +4=-6+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
6 4 4	7 4 4	8 4 4	9 4 4	1 4 4	2 4 4	3 4 4	4 4 4	5 4 4	3 3 4

B.

11	12	13	14	15	16	17	18	19	20
8 4 3	9 4 2	7 4 -1	6 4 5	4 4 -4	9 8 4	7 9 4	9 7 4	9 -3 4	5 2 4

C.

21	22	23	24	25	26	27	28	29	30
4 4 4 4	6 4 4 6	5 -1 3 4	7 -3 2 4	9 4 7 5	5 5 8 4	4 7 6 4	8 4 8 4	8 -4 6 9	7 -4 3 4

D. Speed Writing

Score: _____

0123456789	9876543210

E. Memory Cards

	1	2	3	4	5	6
Numbers						
Beads						

F. Listening

	1	2	3	4	5	6
A						
B						
C						

	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice

1 2 3

LESSON 12 +4=-6+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
4	6	9	7	8	9	5	6	4	8
4	-2	4	-3	7	9	-4	4	3	9
4	3	2	6	-1	4	7	7	4	8
4	4	2	8	2	3	4	8	3	2
4	8	4	4	4	-2	3	-3	4	4

B.

11	12	13	14	15	16	17	18	19	20
16	28	78	83	18	64	59	56	88	67
14	34	4	43	4	46	4	4	44	4
6	3	-21	4	34	8	52	42	3	89
4	-1	4	9	-2	7	5	8	5	6

C.

21	22	23	24	25	26	27	28	29	30
48	46	24	67	89	77	99	19	65	11
8	64	8	94	6	44	54	4	45	7
4	9	6	4	5	9	3	38	9	47
51	7	34	5	57	9	4	4	6	5



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
4 6 4	5 -1 6	4 4 4	8 4 -2	7 2 4	9 -3 4	3 4 4	2 2 4	5 5 4	8 -3 5

E.

11	12	13	14	15	16	17	18	19	20
16 4 30	40 8 48	66 49 5	15 4 14	91 4 45	51 6 14	11 94 -3	15 15 5	13 8 34	78 4 -60

F.

21	22	23	24	25	26	27	28	29	30
56 14 7	12 14 4	64 6 17	58 4 -62	17 15 -2	58 8 44	12 14 4	99 4 50	14 14 14	69 4 48

LESSON 13 +4=-6+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
6	6	5	8	6	8	8	4	5	5
4	-2	-1	4	9	8	7	3	-3	5
5	3	4	8	5	4	5	9	6	9
2	4	4	9	7	6	4	4	4	6
4	6	9	6	4	5	6	5	9	2
4	4	5	5	-1	9	3	5	9	4

B.

11	12	13	14	15	16	17	18	19	20
4	64	71	54	63	17	36	26	37	89
44	40	6	6	8	4	74	34	-3	4
4	8	49	57	46	15	5	3	35	49
44	3	4	4	4	9	5	8	4	8

C.

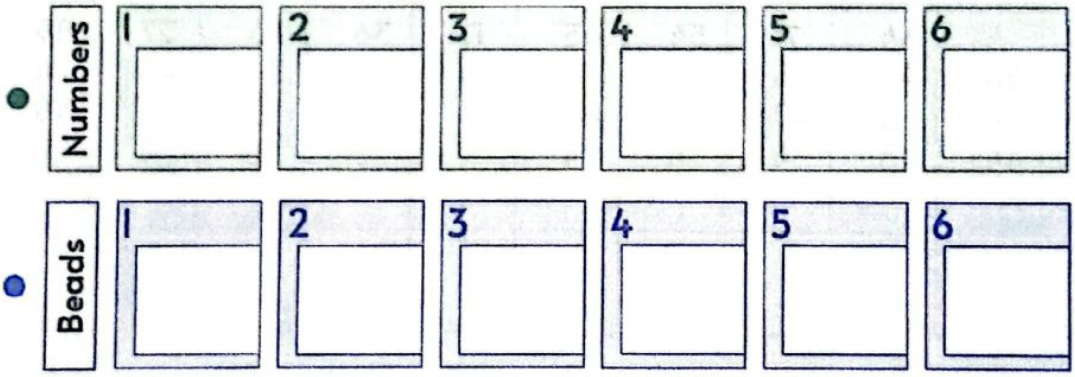
21	22	23	24	25	26	27	28	29	30
74	99	82	24	58	65	13	51	14	44
46	45	43	66	34	45	72	54	14	44
83	79	25	95	63	47	41	55	29	44
17	43	13	42	-23	-13	15	48	54	44
37	54	-21	-24	78	87	-40	84	94	44

D. Speed Writing

Score: _____

0123456789	9876543210

E. Memory Cards



F. Listening

	1	2	3	4	5	6
A						
B						
C						

	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice 1 2 3

LESSON 13 +4=-6+10



Training

Time: ( )

Mark: (/30)

A.

1	2	3	4	5	6	7	8	9	10
87	61	99	25	18	36	56	35	67	42
78	44	68	25	18	24	-42	-12	44	68
45	15	34	16	14	49	26	29	74	75
54	37	11	49	14	17	-40	53	95	-41

B.

11	12	13	14	15	16	17	18	19	20
84	55	79	28	22	424	444	981	554	123
41	54	44	37	23	632	449	672	516	123
75	46	13	12	24	854	448	453	289	123
29	-11	84	94	25	767	447	124	-116	745
36	65	45	-31	46	-234	445	-210	867	496
-22	14	45	60	27	869	446	533	999	-200

C.

21	22	23	24	25	26	27	28	29	30
67	44	33	55	36	850	255	113	440	935
48	21	13	55	74	753	355	227	490	624
35	55	64	66	49	419	455	539	480	514
22	99	27	44	56	333	555	786	660	127
93	34	88	88	72	-112	-500	-222	750	555
-32	17	15	99	-24	897	666	122	430	-224



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
5.22 3.61 -0.80	6.19 0.20 -1.03	8.12 1.05 -9.11	9.03 0.01 -4.02	0.88 1.01 7.10	2.22 5.60 1	9.99 -5.36 -4.63	7.04 -6 8.35	0.10 0.09 1.60	9.38 -7.08 1.11

E.

11	12	13	14	15	16	17	18	19	20
4.44 5.55 -9.99	3.34 -1.22 6.05	6.01 2.31 1.52	0.13 2.36 5.50	0.07 1.01 2.21	5.52 4.32 -4.04	6.66 3.33 -5.55	1.22 2.11 -0.33	2.09 0.60 0.10	1.01 2.02 -3.03

F.

21	22	23	24	25	26	27	28	29	30
5.05 3.31 -8	1.18 1.81 -0.09	1.11 6.31 2.51	4.10 -2 1.83	2.71 5.03 -7.70	0.03 0.05 -0.06	3.99 1 -0.72	8.02 0.11 -0.03	0.91 9.05 -7.36	1.14 2.15 -3.16

LESSON 14 +3=-7+10

Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
7 3 3	8 3 2	9 3 1	6 3 3	5 2 3	4 4 3	3 6 3	8 3 -1	9 -2 3	3 4 3

B.

11	12	13	14	15	16	17	18	19	20
4 5 3	2 7 3	8 1 3	9 -1 3	2 6 3	8 3 7	9 3 3	7 3 5	8 9 3	9 9 3

C.

21	22	23	24	25	26	27	28	29	30
5 -1 4 3	3 3 3 3	7 8 4 3	8 5 6 3	9 7 2 3	9 6 3 3	4 4 3 4	5 -2 5 3	8 8 3 3	9 5 4 3

D. Speed Writing

Score: _____

0123456789	9876543210

E. Memory Cards

	1	2	3	4	5	6
Numbers						
Beads						

F. Listening

	1	2	3	4	5	6
A						
B						
C						

	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice

1 ☐ 2 ☐ 3 ☐

LESSON 14 +3=-7+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
9 4 5 3 6	7 8 5 9 3	6 4 9 9 3	5 -3 6 3 4	2 3 4 3 3	8 9 3 5 5	9 4 6 3 3	7 2 7 2 3	5 -4 8 3 2	6 -2 5 3 -1

B.

11	12	13	14	15	16	17	18	19	20
15 4 13 4	29 3 24 5	37 3 68 9	94 2 31 -3	88 73 5 4	23 44 3 4	73 33 5 -1	9 43 2 22	99 35 1 -5	56 -2 4 43

C.

21	22	23	24	25	26	27	28	29	30
13 3 13 3	77 33 7 3	81 6 34 9	36 5 78 3	44 33 3 4	19 3 43 5	64 5 43 6	17 -3 68 -2	55 -12 67 2	33 3 33 3



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
3 3 3	9 3 3	6 2 3	1 7 3	7 3 9	9 9 3	8 3 4	3 5 3	1 6 3	3 4 3

E.

11	12	13	14	15	16	17	18	19	20
13 5 23	57 3 50	73 37 3	94 2 33	24 27 4	91 35 9	77 3 82	18 23 -1	79 -6 38	44 5 63

F.

21	22	23	24	25	26	27	28	29	30
45 92 3	13 6 53	21 7 33	72 2 30	12 12 9	38 3 27	29 3 34	33 44 3	70 30 9	18 -4 16

LESSON 15 +3=-7+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
3	2	9	8	9	5	6	7	5	8
3	3	3	8	7	4	9	-4	-1	4
3	4	4	5	-3	3	4	7	6	3
3	3	4	6	6	2	3	7	9	5
3	4	8	3	3	1	2	3	4	8
3	5	9	2	-2	5	2	3	8	3

B.

11	12	13	14	15	16	17	18	19	20
13	60	83	44	12	65	29	33	71	54
5	9	32	4	57	-21	23	3	5	5
23	43	5	63	3	5	2	33	34	53
5	4	1	7	2	3	1	3	9	4

C.

21	22	23	24	25	26	27	28	29	30
77	27	16	54	22	87	46	88	11	86
33	33	44	59	23	45	54	93	44	89
77	49	57	68	32	24	91	74	55	35
33	57	-13	35	33	22	30	52	66	89
77	-24	96	15	44	53	-11	48	33	56

D. Speed Writing

Score: _____

0123456789	9876543210

E. Memory Cards

	1	2	3	4	5	6
Numbers						
Beads						

F. Listening

	1	2	3	4	5	6
A						
B						
C						

	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice

1 ☐ 2 ☐ 3 ☐

LESSON 15 +3=-7+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
22	89	56	99	68	82	24	76	55	22
66	46	-13	38	17	38	83	34	-41	54
33	55	25	-23	35	45	93	19	95	35
44	32	53	96	91	42	12	24	13	99

B.

11	12	13	14	15	16	17	18	19	20
59	44	33	25	27	156	533	424	697	961
13	33	33	25	43	924	524	651	473	352
47	33	33	59	48	772	213	535	982	-303
33	44	33	93	58	350	333	498	155	743
-11	33	33	54	-22	427	-201	118	293	352
-21	44	33	-22	-31	-216	619	-203	111	965

C.

21	22	23	24	25	26	27	28	29	30
43	57	79	99	73	235	788	362	855	233
12	22	36	63	92	972	345	748	105	233
24	43	15	98	-31	353	423	999	629	233
35	89	28	45	76	546	-142	103	237	233
88	66	37	85	54	-104	698	-211	-722	322
19	-34	-62	71	-22	118	522	367	449	322



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
0.33 3.51 5.05	5.22 4.22 -0.24	8.04 0.90 1	1.11 6.23 -7.02	3.96 5.01 -7.52	4.44 -3.12 -0.12	8.33 -0.33 1.55	6.23 -6.03 0.02	0.09 0.10 -0.18	9.99 -3.33 -5.55

E.

11	12	13	14	15	16	17	18	19	20
1.12 1.12 1.25	2.35 2.62 -4.01	7.01 -6.01 3.13	6.66 -1.51 -5.15	9.99 -6.36 -3.63	7.22 2.77 -9.99	1.18 -1.06 0.32	0.09 6.30 -0.25	9.11 -7.10 2.22	0.44 0.5 1.05

F.

21	22	23	24	25	26	27	28	29	30
3.36 1.13 -2.11	0.01 0.02 -0.03	1.11 1.11 6.06	9.88 -3.26 -0.01	6.71 2.08 -0.09	3.33 5.55 1.11	8.11 -5 1.55	4.14 -2.02 5.15	6.03 0.01 -0.04	7.77 -2.52 1.24

LESSON 16 +2=-8+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
8 2 2	9 2 5	6 2 2	7 2 2	5 3 2	6 3 2	5 4 2	4 4 2	1 8 2	9 2 4

B.

11	12	13	14	15	16	17	18	19	20
9 9 2	2 6 2	9 -1 2	8 9 2	2 7 2	4 5 2	2 2 2	3 6 2	2 5 3	5 2 2

C.

21	22	23	24	25	26	27	28	29	30
5 -1 4 2	8 8 3 2	8 7 4 2	9 2 8 2	7 2 2 4	6 5 7 2	2 6 2 9	7 9 3 2	5 5 9 2	9 9 2 9

D. Speed Writing

Score: _____

0123456789	9876543210

E. Memory Cards

	1	2	3	4	5	6
Numbers						
Beads						

F. Listening

	1	2	3	4	5	6
A						
B						
C						



	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice

1 ☐ 2 ☐ 3 ☐

LESSON 16 +2=-8+10

Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
2 2 2 2 2	4 5 2 8 3	9 2 8 2 4	6 3 2 5 2	1 8 2 2 2	7 2 2 8 6	2 7 2 8 2	8 8 -2 4 2	9 9 2 7 4	9 2 4 4 6

B.

11	12	13	14	15	16	17	18	19	20
13 6 2 19	16 3 22 9	68 2 59 2	15 23 2 5	27 83 9 2	12 9 18 2	94 4 22 7	88 2 27 4	21 8 32 -1	98 62 8 7

C.

21	22	23	24	25	26	27	28	29	30
57 12 2 8	91 28 2 9	14 7 27 2	39 2 88 2	64 25 2 8	82 7 82 9	29 2 96 5	16 15 8 2	44 4 42 9	55 4 2 44



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
8 2 5	7 2 2	9 2 4	9 9 2	4 4 2	2 2 8	5 4 2	5 5 2	2 6 2	9 2 9

E.

11	12	13	14	15	16	17	18	19	20
19 2 81	64 4 52	78 2 76	99 22 4	16 13 2	14 74 2	89 2 64	33 5 22	17 5 88	36 53 2

F.

21	22	23	24	25	26	27	28	29	30
29 92 6	55 4 52	91 20 -1	9 52 3	77 2 42	59 2 54	14 14 2	80 8 22	34 7 34	48 2 50

LESSON 17 +2=-8+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
2	6	9	4	3	2	9	4	9	6
2	1	2	5	6	7	8	7	2	-2
2	3	7	2	8	2	2	7	8	8
2	8	2	7	2	9	2	2	2	9
2	2	3	2	2	8	6	9	5	2
2	5	7	4	4	5	4	6	4	4

B.

11	12	13	14	15	16	17	18	19	20
57	14	91	39	23	64	33	46	82	15
12	67	7	72	6	54	16	73	28	4
2	8	22	4	92	2	2	2	2	42
8	2	5	-3	9	3	2	7	8	4

C.

21	22	23	24	25	26	27	28	29	30
16	59	36	45	31	93	47	19	32	79
51	18	12	81	56	28	71	52	12	92
92	22	62	14	52	56	52	49	25	56
22	22	79	79	73	54	16	59	16	62
39	39	83	15	56	12	79	22	95	22

D. Speed Writing

Score: _____

0123456789	9876543210

E. Memory Cards

	1	2	3	4	5	6
Numbers						
Beads						

F. Listening



	1	2	3	4	5	6
A						
B						
C						



	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice

1 ☐ 2 ☐ 3 ☐

LESSON 17 +2=-8+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
38	94	74	19	94	23	39	61	96	91
89	27	15	52	47	75	52	27	62	67
68	98	23	49	57	42	27	32	53	52
25	92	67	59	23	61	52	69	56	59

B.

11	12	13	14	15	16	17	18	19	20
24	49	29	83	23	961	532	555	999	308
57	72	52	28	89	627	578	-122	222	812
86	69	89	56	63	532	869	435	999	933
52	23	53	94	85	569	236	243	888	751
12	17	17	11	49	122	995	999	222	226
29	33	66	54	12	749	-110	708	777	222

C.

21	22	23	24	25	26	27	28	29	30
14	31	43	59	44	743	666	321	344	815
56	55	68	32	75	252	452	321	555	245
39	23	68	28	53	230	982	432	322	733
82	58	22	52	17	565	546	432	899	467
22	12	11	38	76	479	569	543	599	899
43	22	38	42	-32	892	115	543	212	152



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
12.3 32.5 -21.1	53.3 25.1 -70.2	80.7 11.2 -31.1	99.9 -55.4 -44.5	40.4 55.5 -90.6	72.4 16.5 -0.9	47.8 -0.5 51.6	89.7 10.1 -90.3	66.9 -16.8 22.2	12.3 32.1 -44.4

E.

11	12	13	14	15	16	17	18	19	20
14.5 50.4 -0.7	96.9 -90.1 11.1	25.5 52.2 -77.7	84.3 -82.2 21.3	7.65 -5.55 -2.10	47.4 -22.2 54.5	99.9 -72.7 -27.2	11.8 88.1 -99.9	63.5 36.4 -99	56.6 13.2 -64

F.

21	22	23	24	25	26	27	28	29	30
49.9 -0.9 50.2	74.4 -72.1 -0.3	55.5 -5.5 49	88.1 -67 -0.1	87.9 -0.4 -0.5	45.8 52.1 -7.7	11.4 78.5 -80.6	69.9 -59.9 30.3	31.3 13.1 -0.4	48.5 -26.5 71.4

LESSON 18 +1=-9+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
9 1 1	6 3 1	7 2 1	8 1 1	5 4 1	1 8 1	2 7 1	3 6 1	4 5 1	9 1 5

B.

11	12	13	14	15	16	17	18	19	20
5 -1 5	5 5 9	9 9 1	1 9 2	9 1 9	4 6 7	3 7 5	9 1 8	9 1 4	1 3 1

C.

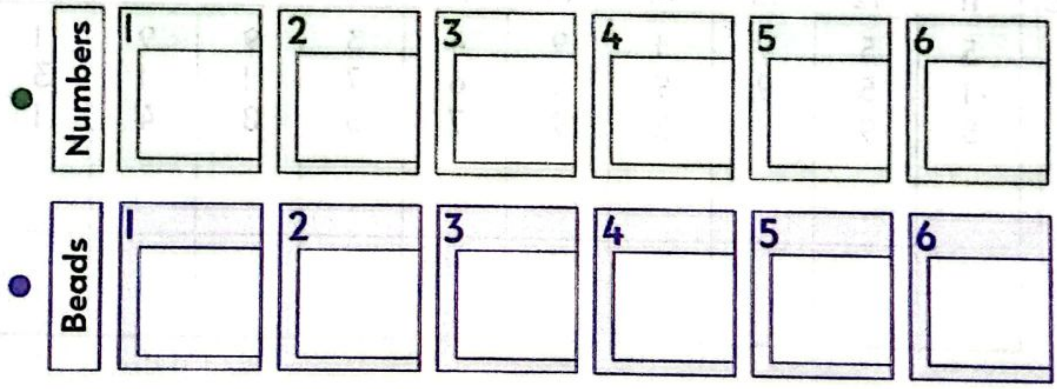
21	22	23	24	25	26	27	28	29	30
9 9 1 1	5 -1 5 1	6 3 1 5	9 1 9 1	9 6 4 1	8 7 4 1	5 5 1 4	3 6 1 6	8 8 3 1	7 4 8 1

D. Speed Writing

Score: _____

0123456789	9876543210

E. Memory Cards



F. Listening

	1	2	3	4	5	6
A						
B						
C						

	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice

1 ☐ 2 ☐ 3 ☐

LESSON 18 +1=-9+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
5 -2 4 2 1	6 -2 5 1 7	7 -3 4 1 1	8 -4 5 1 9	5 -1 2 3 1	4 4 1 1 4	5 4 1 5 5	9 1 8 2 5	8 7 4 1 6	7 3 9 1 3

B.

11	12	13	14	15	16	17	18	19	20
13 4 22 1	90 9 10 1	59 1 47 3	66 53 1 7	87 8 64 1	24 5 91 4	68 2 39 1	98 31 1 5	54 5 51 5	47 72 1 6

C.

21	22	23	24	25	26	27	28	29	30
65 44 1 9	19 1 87 3	38 3 4 65	81 8 71 3	45 4 1 -30	67 3 9 31	33 6 1 68	22 8 9 41	15 14 1 1	79 1 3 97



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
5 4 1	9 1 5	1 8 1	3 6 1	2 7 1	4 4 1	1 9 1	9 9 7	9 1 8	8 1 1

E.

11	12	13	14	15	16	17	18	19	20
15 4 11	29 31 5	96 10 4	89 1 62	47 72 1	58 2 51	99 11 9	46 13 1	78 31 1	44 25 1

F.

21	22	23	24	25	26	27	28	29	30
59 51 5	36 23 1	95 -1 16	84 25 1	37 3 88	94 4 12	77 52 1	99 21 2	25 4 41	49 61 7

LESSON 19 +1=-9+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
7 8 4 1 4 2	4 5 1 3 7 5	6 3 1 5 5 4	5 2 8 4 1 2	8 5 9 7 1 1	4 4 4 7 1 6	7 2 1 8 7 5	9 1 9 6 5 3	5 -1 3 2 1 7	9 9 9 -4 6 1

B.

11	12	13	14	15	16	17	18	19	20
19 1 18 2	21 9 39 1	36 3 61 5	32 9 68 1	98 13 4 5	45 44 1 9	39 1 86 4	48 63 8 1	11 8 11 8	54 5 51 4

C.

21	22	23	24	25	26	27	28	29	30
24 15 51 17 58	79 51 53 26 11	31 57 11 11 46	84 75 51 59 91	32 56 11 11 94	24 55 31 89 11	18 21 51 96 59	16 53 91 53 91	36 53 21 69 41	99 12 56 98 24

D. Speed Writing

Score: _____

0123456789	9876543210

E. Memory Cards

	1	2	3	4	5	6
Numbers						
Beads						

F. Listening

	1	2	3	4	5	6
A						
B						
C						

	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice

1 ☐ 2 ☐ 3 ☐

LESSON 19 +1=-9+10



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
29	23	44	47	14	49	50	26	19	36
51	15	72	22	57	71	12	13	51	53
79	82	95	51	89	98	99	81	88	21
21	16	54	47	13	31	51	19	11	69

B.

11	12	13	14	15	16	17	18	19	20
14	18	84	28	28	516	994	369	155	212
55	53	35	54	51	212	127	591	133	516
91	99	91	76	81	811	567	499	541	811
14	12	34	11	18	261	978	621	761	261
57	56	67	91	97	719	245	123	118	719
84	32	42	55	32	541	133	412	987	511

C.

21	22	23	24	25	26	27	28	29	30
99	29	15	22	55	345	560	204	555	119
11	70	21	20	12	102	230	505	444	415
99	51	13	57	92	722	320	901	111	224
11	53	61	21	51	951	580	508	999	341
99	26	99	59	77	547	210	907	111	781
11	11	51	11	43	121	170	305	333	492



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
45.9 -20 -0.3	18.7 30.1 51.1	94.4 0.5 -82	55.5 44.4 -9.6	65.6 33.3 -90.9	81.1 -60.1 22.2	74.5 -62.5 -12	99.9 -27.5 -72.4	13.3 31.5 -0.7	4.44 5.05 -9.26

E.

11	12	13	14	15	16	17	18	19	20
1.11 11.1 1.11	53.6 45.2 -22.1	14.4 15.5 -0.8	46.2 -21.1 22.2	71.3 -60.2 11.7	47.7 -32.5 14.2	28.8 51.1 -64.4	24.3 20.6 -40.2	4.44 -2.22 -0.22	81.3 18.5 -0.8

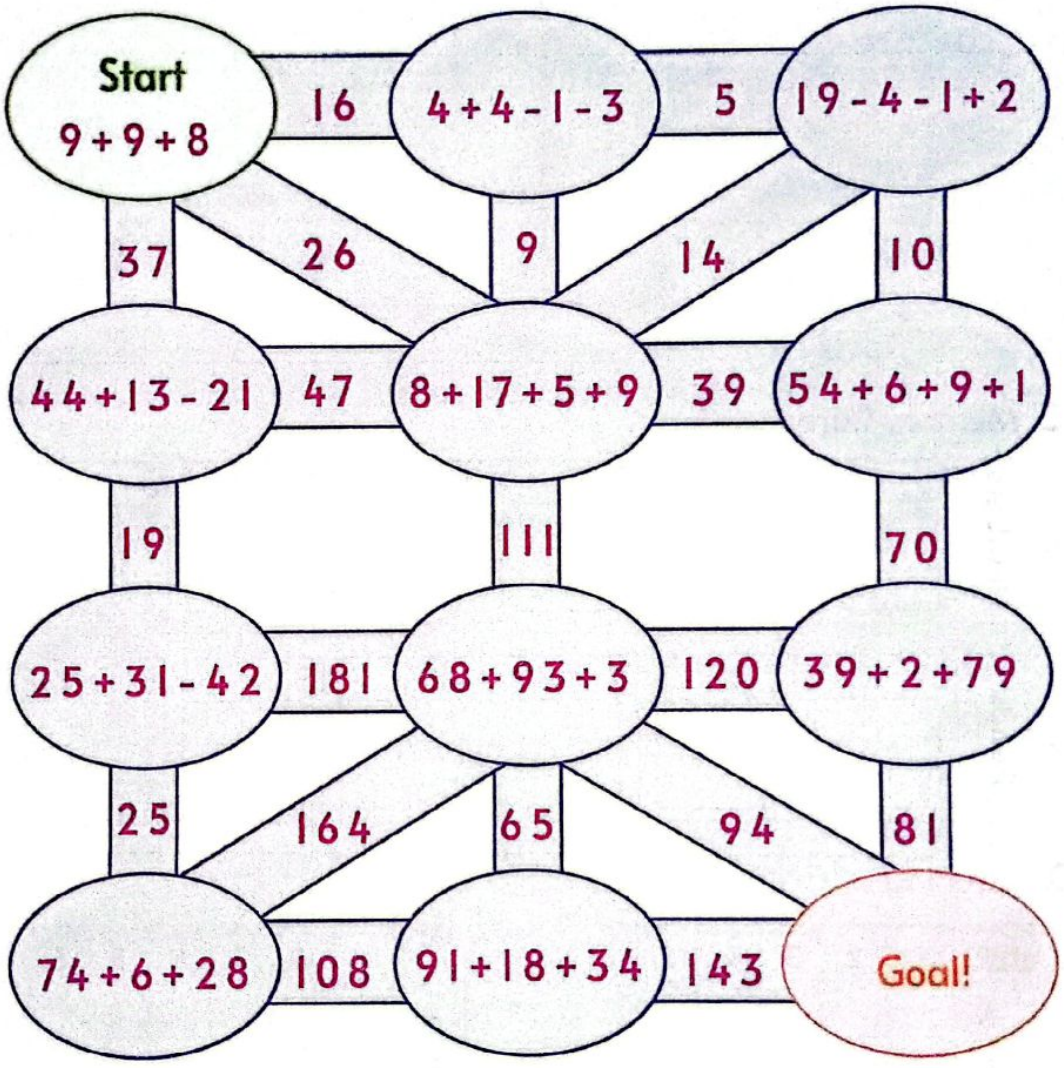
F.

21	22	23	24	25	26	27	28	29	30
21.2 21.2 -0.4	67.7 32.2 -99.1	58.1 -6.1 30.7	49.4 -29.4 66.6	19.2 30.7 -40.9	3.66 6.33 -0.99	72.7 27.2 -99	83.3 11.1 -40.4	24.5 25.4 -9.7	33.3 55.5 -8.8

LESSON 20 ALL FORMULAS

Activity

A. Use the big friends formulas to add to guide you to the end of the maze.



B. Speed Writing

Score: _____

0123456789	9876543210

C. Memory Cards

	1	2	3	4	5	6
Numbers						
Beads						

D. Listening



	1	2	3	4	5	6
A						
B						
C						



	1	2	3	4	5	6
A						
B						
C						

E. Finger Practice

1 ☐ 2 ☐ 3 ☐

LESSON 20 ALL FORMULAS



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
4 4 5 7 5	9 1 2 7 -2	5 4 1 9 1	5 5 1 4 5	9 2 9 8 7	1 4 4 6 -2	4 2 3 4 3	5 -1 8 9 4	2 3 5 9 3	9 7 3 3 3

B.

11	12	13	14	15	16	17	18	19	20
29 2 4 15	66 4 99 1	18 7 45 7	87 -3 46 3	44 8 53 5	79 1 23 3	36 29 -2 9	99 4 88 9	15 4 33 3	37 4 28 1

C.

21	22	23	24	25	26	27	28	29	30
24 42 5 9	69 96 -2 7	63 58 4 5	54 8 49 9	78 87 -3 8	11 8 31 9	55 -4 59 1	72 32 5 1	64 2 44 4	96 5 57 2



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
25 25 9	13 13 5	22 94 9	63 47 6	82 8 37	17 3 99	39 11 2	54 6 44	28 22 2	36 5 29

E.

11	12	13	14	15	16	17	18	19	20
91 19 9 1	84 7 69 4	73 4 38 5	35 34 1 7	89 2 17 2	4 26 9 11	95 53 4 3	87 55 9 4	44 7 49 1	62 43 5 5

F.

21	22	23	24	25	26	27	28	29	30
38 3 88 1	69 2 32 2	55 5 55 5	71 84 4 7	43 67 7 3	49 49 2 2	64 56 8 2	45 5 49 1	11 99 4 8	31 84 4 3

LESSON 21 ALL FORMULAS



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
45 4 1 42	69 3 89 6	77 4 27 3	18 7 45 8	97 65 3 5	18 92 3 8	67 43 9 6	14 41 4 1	61 47 4 3	94 8 49 4

B.

11	12	13	14	15	16	17	18	19	20
49 41 49 41	38 22 54 36	61 92 47 12	55 -24 86 33	19 51 37 25	72 99 -31 15	39 49 59 69	81 21 66 53	96 15 39 52	42 38 24 11

C.

21	22	23	24	25	26	27	28	29	30
91 19 82 28 82	26 33 51 44 46	54 -31 97 25 -21	18 32 -40 95 73	62 43 95 11 19	57 58 55 54 53	23 97 56 -32 61	48 83 46 33 24	22 13 24 11 43	51 -20 68 10 72

D. Speed Writing

Score: _____

0123456789	9876543210

E. Memory Cards

	1	2	3	4	5	6
Numbers						
Beads						

F. Listening

	1	2	3	4	5	6
A						
B						
C						

	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice

1 ☐ 2 ☐ 3 ☐

LESSON 21 ALL FORMULAS



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
24	78	66	46	55	92	84	88	71	67
81	18	95	25	14	83	21	73	46	55
55	14	-20	-31	42	94	61	44	22	23
26	19	74	17	94	57	-24	15	91	14
-43	33	45	33	35	-14	68	94	28	52
69	-21	52	19	61	23	72	48	32	44

B.

11	12	13	14	15	16	17	18	19	20
124	253	334	945	433	599	315	211	661	736
124	316	231	233	677	512	222	244	459	333
124	111	545	-124	999	426	188	655	242	151
124	572	919	553	411	173	395	994	-122	432
124	-122	141	413	582	492	677	117	964	347
124	188	482	181	133	308	162	834	801	123

C.

21	22	23	24	25	26	27	28	29	30
123	333	474	585	363	931	223	112	863	523
321	789	652	585	294	682	824	683	222	234
555	144	363	858	444	442	973	213	513	453
123	345	111	858	199	954	444	512	111	326
555	-201	287	225	728	991	228	-200	296	-122
123	691	543	552	992	638	522	392	315	791

Activity

D. Solve the Sudoku puzzles by filling in the blanks with numbers between 1 and 9.

Note: Each number should not appear more than once in the same row, column, or square.

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

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

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

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

LESSON 22 DECIMALS



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
0.5 3.2 1.1	6.6 3.1 0.2	0.3 3.5 -0.1	3.6 6.3 -0.9	0.8 2.1 -1.7	2.2 5.5 -7.1	8.1 0.3 -0.4	0.3 0.6 -0.8	2.3 1.1 5.5	3.9 -0.1 5.1

B.

11	12	13	14	15	16	17	18	19	20
1.12 3.11 -4.11	0.66 5.01 -0.15	1.33 0.11 -1.41	2.10 2.22 -2.01	8.11 1.01 -0.02	4.02 5.22 -3.11	1.12 1.12 1.15	2.21 0.11 5.15	7.71 1.11 1.11	1.91 1.01 1.07

C.

21	22	23	24	25	26	27	28	29	30
0.33 6.66 -0.99	2.21 0.16 7.11	7.01 0.92 1.05	3.13 5.15 -6.16	8.01 0.81 -0.11	3.33 -0.13 0.59	5.79 4.10 -0.89	4.41 5.51 -9.91	4.17 -2.06 7.52	5.11 3.82 -6.43

D. Speed Writing

Score: _____

0123456789	9876543210

E. Memory Cards

	1	2	3	4	5	6
Numbers						
Beads						

F. Listening

	1	2	3	4	5	6
A						
B						
C						

	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice

1 2 3

LESSON 22 DECIMALS WITH S.F. FORMULAS



Training

Time: ( )

Mark: (/30)

A.

1	2	3	4	5	6	7	8	9	10
0.3 4.3 4.2	6.1 3.4 0.4	0.2 9.2 0.1	9.9 -4.1 -1.5	1.1 4.4 -2.1	6.3 -2.1 1.3	5.1 2.4 -3.1	5.5 -4.2 6.3	0.8 6.1 -3.7	9.9 -7.2 -0.4

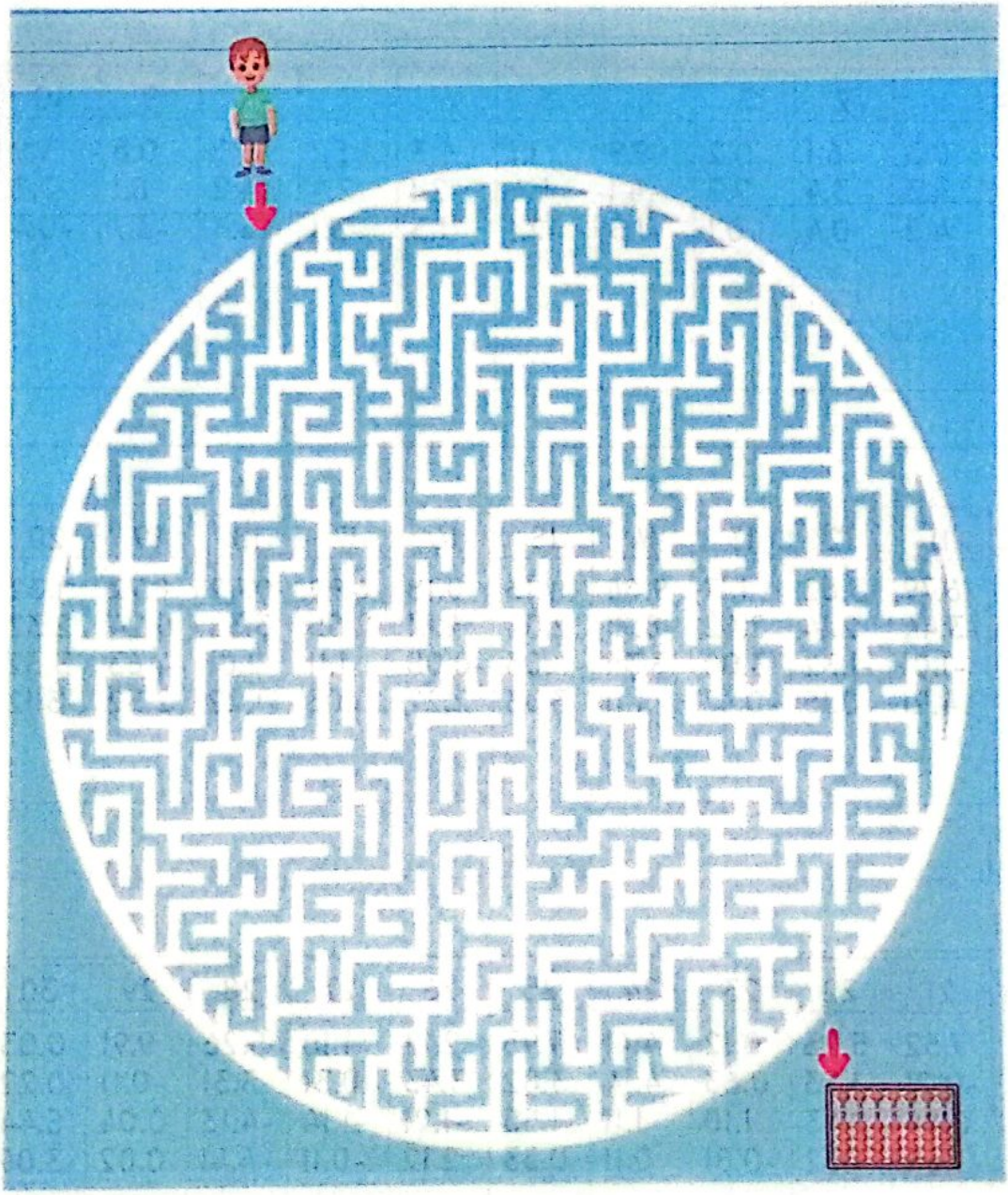
B.

11	12	13	14	15	16	17	18	19	20
6.79 -3.44 -1.01 4.21	3.62 2.14 -1.32 0.15	1.17 2.42 3.00 -0.47	9.64 -8.21 3.34 1.11	7.13 2.04 -6.03 3.33	0.18 4.41 -0.05 2.22	6.99 -2.55 1.11 1.03	0.42 3.33 2.01 -1.22	8.72 0.24 -4.63 2.52	1.32 2.32 3.32 -3.12

C.

21	22	23	24	25	26	27	28	29	30
7.52 -0.21 0.44 -7.65	5.23 1.33 -2.43 1.22	0.12 0.63 1.10 -0.81	4.41 4.14 1.11 0.11	7.93 -3.82 1.55 0.33	2.12 3.43 -1.21 2.12	1.18 0.31 -1.14 -0.11	5.26 3.31 -4.13 -4.41	9.91 -0.11 0.04 0.02	0.03 0.22 5.44 -3.09

D. Help the student find his Soroban through this maze.



LESSON 23 DECIMALS WITH S.F. FORMULAS



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
0.5	3.9	6.1	7.7	5.4	7.4	0.6	1.9	1.1	1.7
5.1	3.0	3.4	-3.1	4.5	1.1	2.1	-0.6	2.2	8.2
-1.2	-4.7	-8.2	4.2	-9.1	-5.1	4.2	4.4	3.3	-1.5
3.1	2.2	0.4	-6.3	-0.8	3.3	-1.5	0.1	3.3	0.3
0.3	-4.4	-0.7	-0.1	2.5	3.2	0.2	-0.5	-9.9	0.2

B.

11	12	13	14	15	16	17	18	19	20
7.13	0.17	1.23	9.16	4.44	5.21	0.21	8.91	1.22	8.01
0.22	6.21	3.33	-5.13	4.44	3.37	7.24	-4.70	6.53	1.34
-3.04	2.01	2.02	1.42	-6.34	1.01	0.01	2.34	1.04	0.22
0.07	-1.31	-4.12	4.54	3.11	-0.18	-1.12	-3.15	-0.09	-7.13

C.

21	22	23	24	25	26	27	28	29	30
61.3	39.2	55.5	13.1	73.5	95.6	59.1	67.8	24.4	81.9
-31.3	40.3	-11.1	31.3	-22.1	-72.4	10.4	-23.4	24.1	-60.5
20.5	-65.1	22.2	31.3	-30.2	22.3	-27.3	51.3	20.2	54.2
-40.1	21.3	-33.3	-31.1	44.3	11.2	12.2	-84.2	-24.3	10.3
83.4	-12.5	44.4	-11.3	14.2	42.1	21.2	-11.4	11.1	-31.9

D. Speed Writing

Score: _____

0123456789	9876543210

E. Memory Cards

	1	2	3	4	5	6
Numbers						
Beads						

F. Listening



	1	2	3	4	5	6
A						
B						
C						



	1	2	3	4	5	6
A						
B						
C						

G. Finger Practice

1 ☐ 2 ☐ 3 ☐

LESSON 23 DECIMALS WITH S.F. FORMULAS



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
3.3	6.1	0.4	6.8	1.7	8.1	0.5	1.4	2.3	5.9
2.3	2.4	9.3	3.1	7.1	-5.1	3.1	4.1	5.6	-1.6
1.3	-4.2	-7.2	-0.9	1.1	2.6	4.2	4.4	-0.7	2.2
-1.3	3.2	-0.1	0.4	-5.4	-1.2	-3.4	-0.9	1.4	-3.1
-3.3	-3.1	3.2	0.2	-4.5	3.4	1.1	0.5	-8.3	5.4
-2.3	2.1	4.2	-9.6	0.9	-3.3	-2.2	-9.2	0.1	-7.2

B.

11	12	13	14	15	16	17	18	19	20
2.33	13.3	45.2	6.44	68.9	99.5	61.1	1.17	4.88	8.11
3.22	24.2	31.4	10.3	-4.8	-44.3	-30	3.11	-1.44	1.51
4.44	1.42	-42.3	-0.44	32.4	-43.2	42.2	5.5	-1.33	-7.42
-1.11	-4.91	1.66	-2.1	-93.1	72.2	2.21	-2.21	24.4	5.1
-7.01	12.5	2.02	1.18	2.22	-40	-65.3	-3.34	3.22	-0.2

C.

21	22	23	24	25	26	27	28	29	30
12.36	72.22	55.44	45.21	48.01	9.349	4.661	1.789	4.001	29.08
74.22	27.77	33.22	31.44	20.33	-2.016	2.304	3.21	3.333	20.4
-33.23	-81.81	11	-42.31	11.11	1.233	-3.744	4	2.222	10.21
10.04	-18.18	-44.33	65.15	20.44	-4.132	1.22	-5.595	-6.321	-32.27
22.4	36.66	-22.11	-94.07	-74.22	1.322	5.311	3.314	3.102	-13
-51.22	63.33	43.21	12.24	-21.14	-2.001	-1	-2.607	1.010	52.11



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
7.7 1.1 -4.3 1.2	3.3 6.1 -4.1 2.1	4.2 5.1 -3.3 0.6	0.1 1.1 3.5 2.1	6.9 -5.7 8.5 -0.6	9.8 -4.3 -3.1 0.4	2.6 2.1 4.2 -0.9	2.3 5.3 -4.2 2.4	4.4 1.5 -3.8 2.2	6.4 1.1 2.2 -7.3

E.

11	12	13	14	15	16	17	18	19	20
6.91 2.04 -5.32 4.21 2.01	7.71 1.14 -4.31 1.22 -3.42	5.13 4.12 -6.04 2.67 -1.21	3.51 2.42 1.04 -3.21 6.03	3.21 2.62 4.13 -3.34 -2.31	6.53 1.22 2.24 -5.15 3.01	1.21 5.06 -4.13 7.21 -9.31	8.11 1.43 -7.42 3.65 -4.44	9.99 -4.44 -1.23 4.56 -8.54	5.92 -1.11 3.13 -4.62 5.23

F.

21	22	23	24	25	26	27	28	29	30
24.4 12.2 -36.6 68.8 -68.4	11.1 23.6 20.1 42.1 -90.4	74.1 12.6 13.2 -30.7 20.5	12.3 45.6 -57.9 31.2 26.7	44.4 44.4 -66.6 22.2 11.1	45.7 13.1 41.1 -75.3 11.3	85.2 14.7 -35.7 21.5 12.2	89.7 -65.5 31.2 14.1 30.4	12.3 36.4 11.1 30.1 -25.8	14.7 81.2 -93.2 24.1 -12.4

LESSON 24 ALL FORMULAS



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
1	2	3	9	63	35	48	45	119	747
2	8	2	-5	26	24	82	84	452	202
2	5	4	4	41	51	54	91	237	151
1	5	9	4	13	95	56	56	111	120
5	1	1	1	36	64	30	33	302	864
3	2	6	4	51	21	23	31	456	115
4	2	4	2	79	79	46	49	293	911
8	5	4	7	91	51	52	51	458	999
2	8	2	-2	46	46	21	21	122	963
4	4	3	1	53	53	32	38	456	326
2	3	7	3	16	18	16	41	142	711
3	1	4	1	84	82	52	59	258	963
9	5	3	3	11	11	19	41	-403	644
1	4	5	-2	69	84	87	87	321	391
2	1	3	1	51	15	-17	12	254	129
1	2	8	3	96	91	51	11	125	771
2	9	7	9	91	85	23	59	125	198
8	9	4	4	15	75	44	63	252	914
1	3	1	1	22	42	31	-42	122	642
3	6	5	2	24	93	58	99	437	333
7	-2	-2	6	-34	63	61	13	999	211
4	6	8	5	68	22	-33	55	225	765
4	3	3	3	73	15	72	22	857	847
5	4	2	1	25	20	92	19	246	555
-1	5	9	4	47	12	37	33	593	123

B. Speed Writing

Score: _____

0123456789	9876543210

C. Memory Cards

	1	2	3	4	5	6
Numbers						
Beads						

D. Listening

	1	2	3	4	5	6
A						
B						
C						

	1	2	3	4	5	6
A						
B						
C						

E. Finger Practice

1 2 3

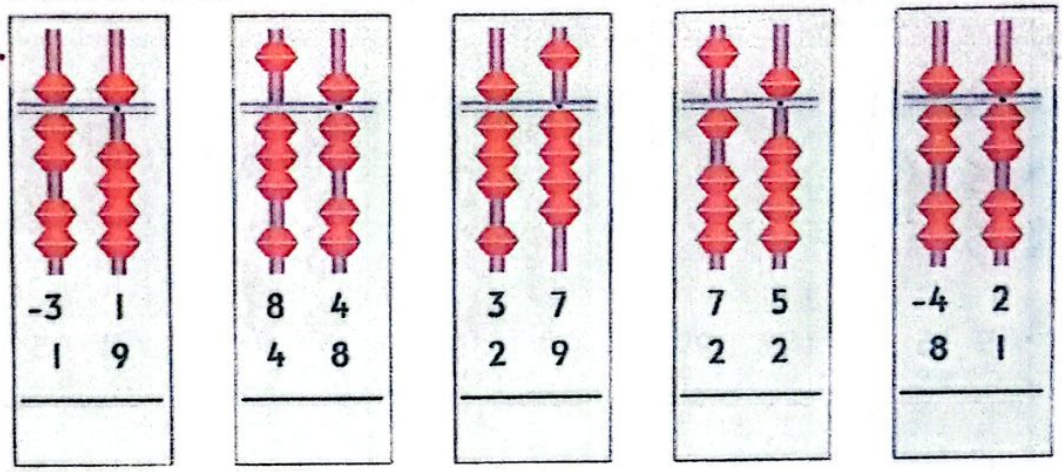
LESSON 24 ALL FORMULAS

Time:

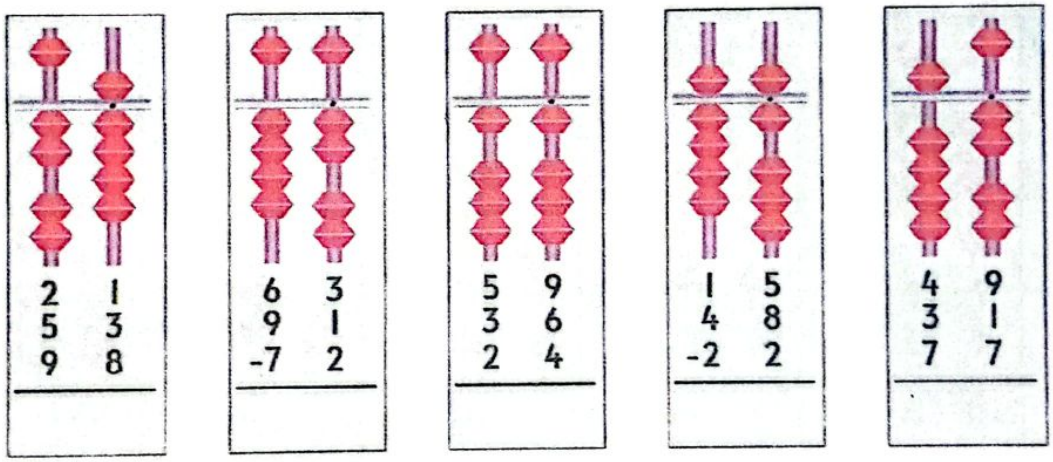
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Training

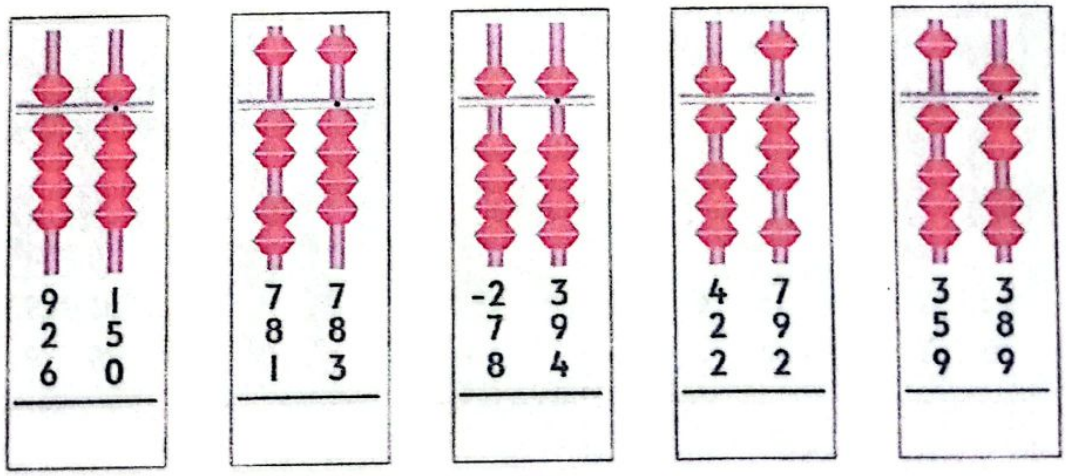
A.



B.



C.



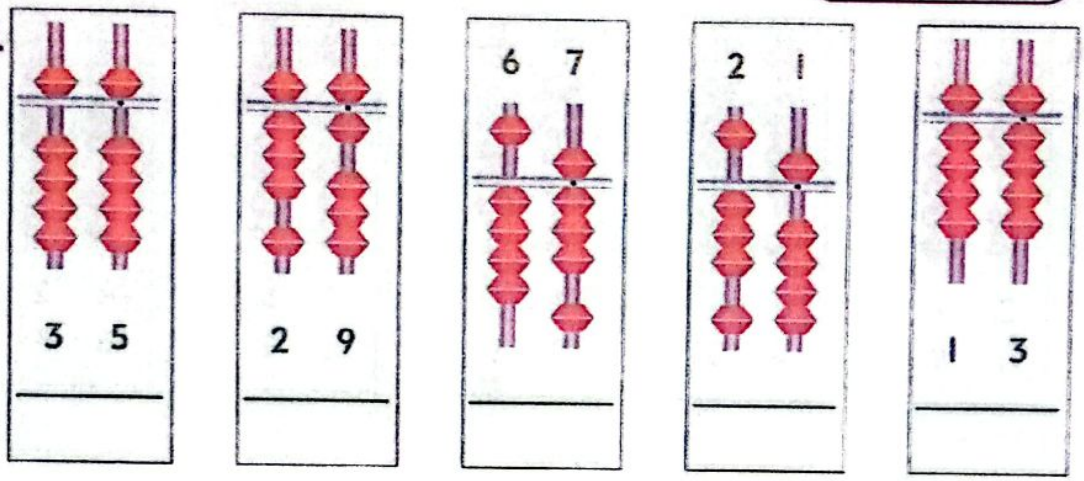


Training

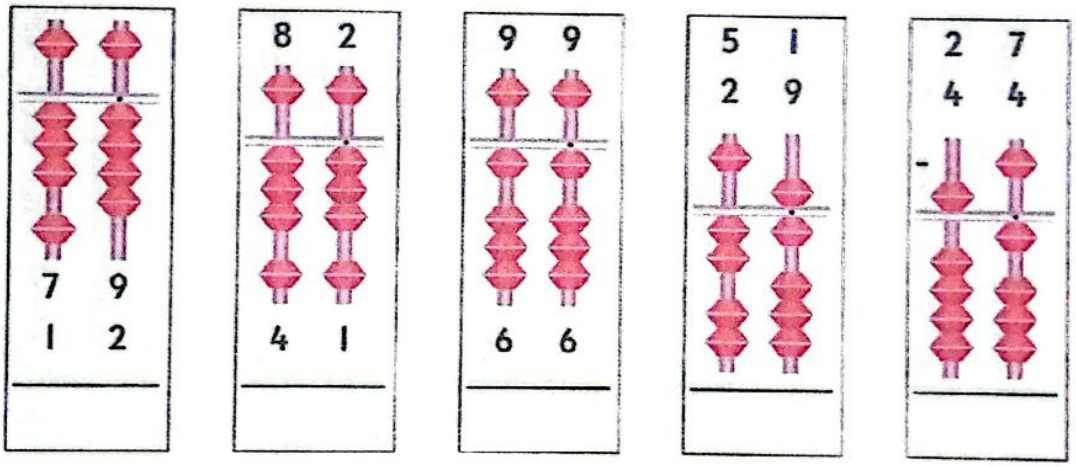
Time:

Mark: /15

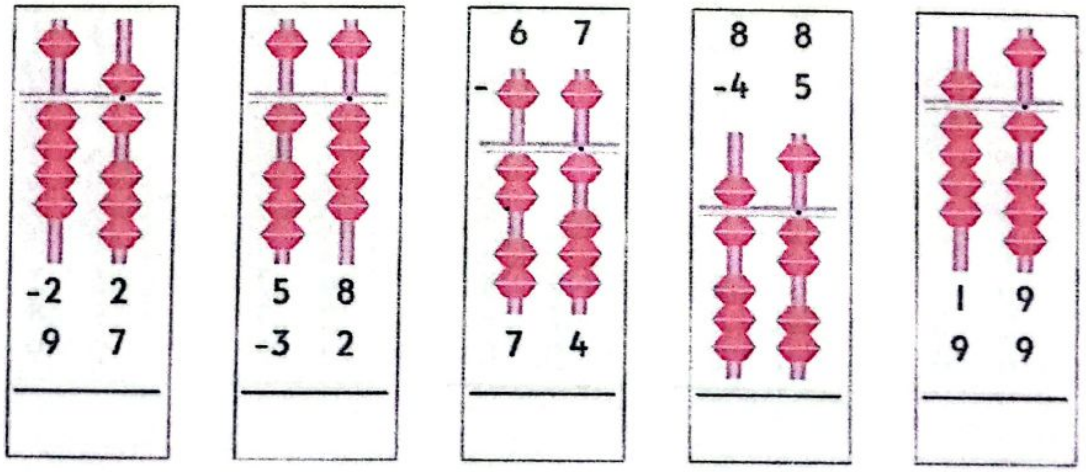
D.



E.



F.



ASSESSMENT

Time: ( )

Mark: (/20)

A. Calculate using the .

1	2	3	4	5	6	7	8	9	10
9	7	6	5	48	76	22	77	44	59
8	4	-2	5	37	81	89	83	63	55
3	3	8	9	52	43	48	45	52	41
4	6	9	1	23	99	21	65	41	55
1	9	4	8	96	-24	19	-40	55	32
-3	7	4	7	-12	-31	11	77	-24	99
6	-4	1	-1	66	26	66	13	79	26
5	3	7	6	73	17	45	85	16	33

11	12	13	14	15	16	17	18	19	20
322	561	659	866	444	6.23	21.01	0.011	9.311	20.32
853	252	931	599	125	0.22	30.44	6.514	0.221	0.611
735	866	111	755	351	1.14	-10.32	33.33	-5.111	35.02
144	311	544	243	228	-3.11	42.22	-24.25	2.256	-14.92
642	188	711	344	672	1.20	-31.11	4.122	-3.443	7.334
-253	-134	-122	328	333	-3.66	46.21	-8.311	0.521	11.03
677	962	597	975	111	0.73	-98.21	2.11	0.211	-22.13
389	999	610	791	808	1.01	11.11	0.201	-0.866	0.612

Time:

Mark: /20

B. Calculate .

1	2	3	4	5	6	7	8	9	10
7	6	5	7	9	3	7	3	2	5
2	5	2	2	1	6	8	3	8	1
1	4	3	1	4	1	5	9	3	5
9	4	1	3	2	4	4	4	7	4
2	4	1	5	3	5	6	2	4	3
5	5	5	2	5	1	2	6	6	2
4	3	1	8	6	2	3	3	1	9
6	9	2	4	2	5	-1	5	9	2

11	12	13	14	15	16	17	18	19	20
79	93	24	67	99	122	935	488	0.23	9.55
42	20	86	55	21	566	135	721	5.22	0.11
31	25	99	39	54	978	738	301	-1.04	-5.21
21	-33	51	48	31	-324	222	117	3.11	1.44
-51	61	48	91	75	966	535	422	0.07	-2.77
39	35	72	88	11	272	-123	952	-4.28	3.04
28	15	33	12	15	129	677	405	6.05	0.61
42	32	47	39	25	341	191	315	0.40	-6.05