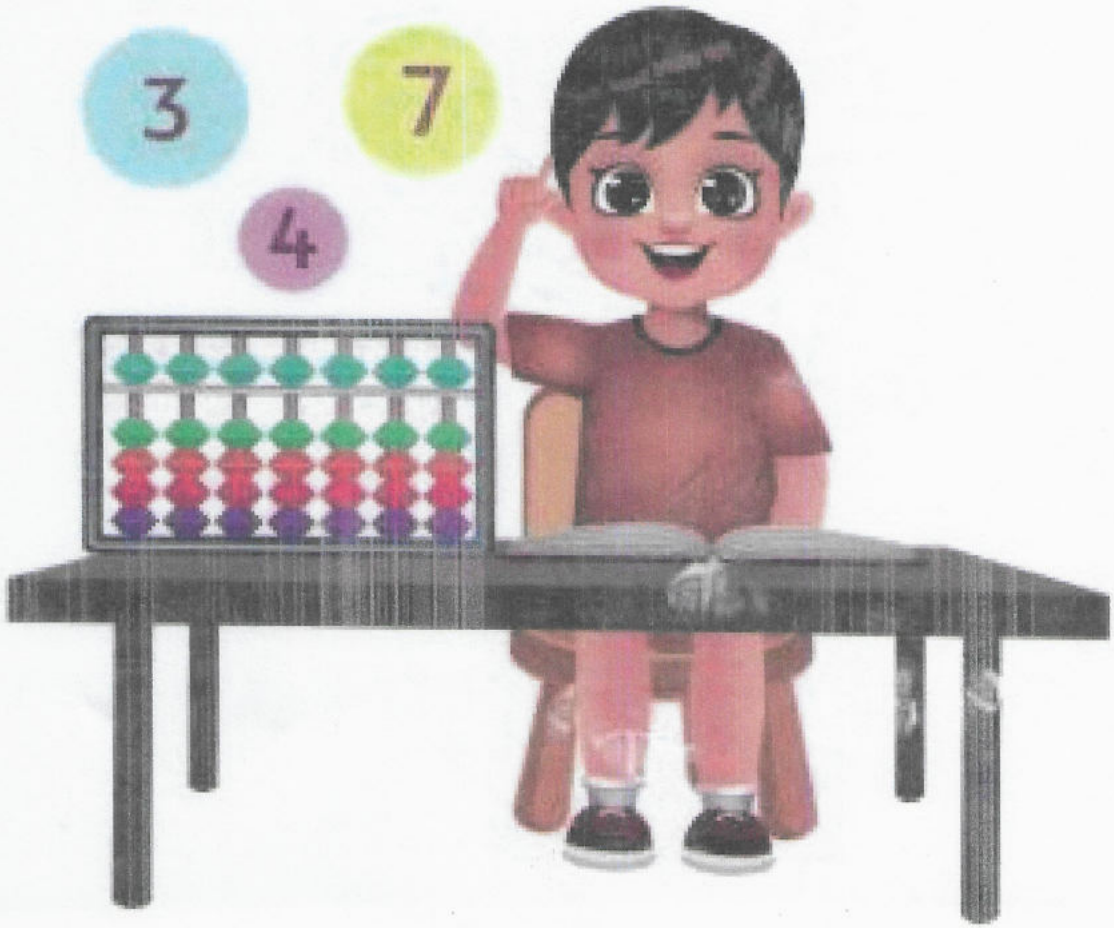
WORLD'S KEY

Soroban

LEVEL 3





WORLD'S KEY

SOROBAN

LEVEL 3

2023



شركة البشرى للتربية والعلوم
المدارس الدولية

إن تقدم الأمم يعتمد على تقدم العلوم فيها. ونحن نفتخر بأننا في صلب هذه المهمة، خاصة بأن دورنا يعتمد بشكل أساسي على تطوير ركائز العملية التعليمية في المنهاج والبرامج والتدريب وتأهيل المدارس لتحصل على اعتماد مدرسة دولية.

إن شركة البشرى بالتعاون مع WORLD'S KEY أنتجت سلسلة من المناهج ضمن المعايير الدولية التي تراعي واقع بيئتنا ومجتمعنا، مع إضافة التعليم الإلكتروني لدعم العملية التعليمية وتحويلها من طور التلقين إلى طور الإبداع و التفاعل وتنمية المهارات.

The progress of nations depends on their advancement in sciences and adherence to higher values. We, Al-Bushra Company for Education and Sciences, are proud to be at the heart of this task. We play a major role in developing the educational process in all our curricula, programs, and training along with qualifying schools to get international school accreditation.

We at Al-Bushra Company for Education and Sciences, in collaboration with World's Key publishers, have produced a series of programs aligned with the approved international standards. These programs consider the reality of our environment and community with the integration of e-learning facilities that support the educational process and transform it from the stage of indoctrination to that of creativity, interaction, and skills development.

General Director
A. Tarhini

حقوق الطبع والنشر © 2023
شركة البشرى للتربية والعلوم

لا يجوز شرعاً وقانوناً استنساخ أو نقل أو توزيع أو نسخ أو تصوير أو حفظ أي جزء من هذا المنشور بأي شكل أو وسيلة إلكترونية, ميكانيكية أو غير ذلك دون إذن خطي مسبق من شركة البشرى للتربية والعلوم.
يرجى عدم المشاركة أو تشجيع قرصنة حقوق الطبع والنشر التي تنتهك حقوق الشركة.
يسمح بشراء الإصدارات المعتمدة الشرعية من المصدر فقط.

Copyright ©2023 Al-Bushra
All rights reserved.

No part of this publication may be reproduced, transmitted, scanned, distributed, copied, saved, or stored in any form or by any means: electronic, mechanical, photocopying, recording, or otherwise without prior written permission from Al-Bushra Company for Education and Sciences. Please, do not participate in or encourage the piracy of copyrighted material that violates the company's rights.
Purchase only authorized editions.

Program Producer **A. Tarhini**

Authors **N. AL-Zein, Z. Al-Sabouri, F. Darwish, M. Matar**

Co-Authors **R. Hamdan, S. Khayat, M. Tarhini, L. Jaber**

Editors **Z. Bzeih, G. Shouman, A. Mshawrab, Z. Sleem**

info@al-bushra.net www.al-bushra.net

SOROBAN

TABLE OF CONTENTS

WITHOUT FORMULA

6 INTRODUCTION

8 LESSON 1 WITHOUT FORMULA

14 ASSESSMENT 1

SMALL FRIENDS TO ADD FORMULAS

16 LESSON 2 FORMULA: +4=+5-1

26 LESSON 3 FORMULA: +3=+5-2

36 LESSON 4 FORMULA: +2=+5-3

46 LESSON 5 FORMULA: +1=+5-4

56 ASSESSMENT 2

SMALL FRIENDS TO SUBTRACT FORMULAS

58 LESSON 6 FORMULA: -4=+1-5

68 LESSON 7 FORMULA: -3=+2-5

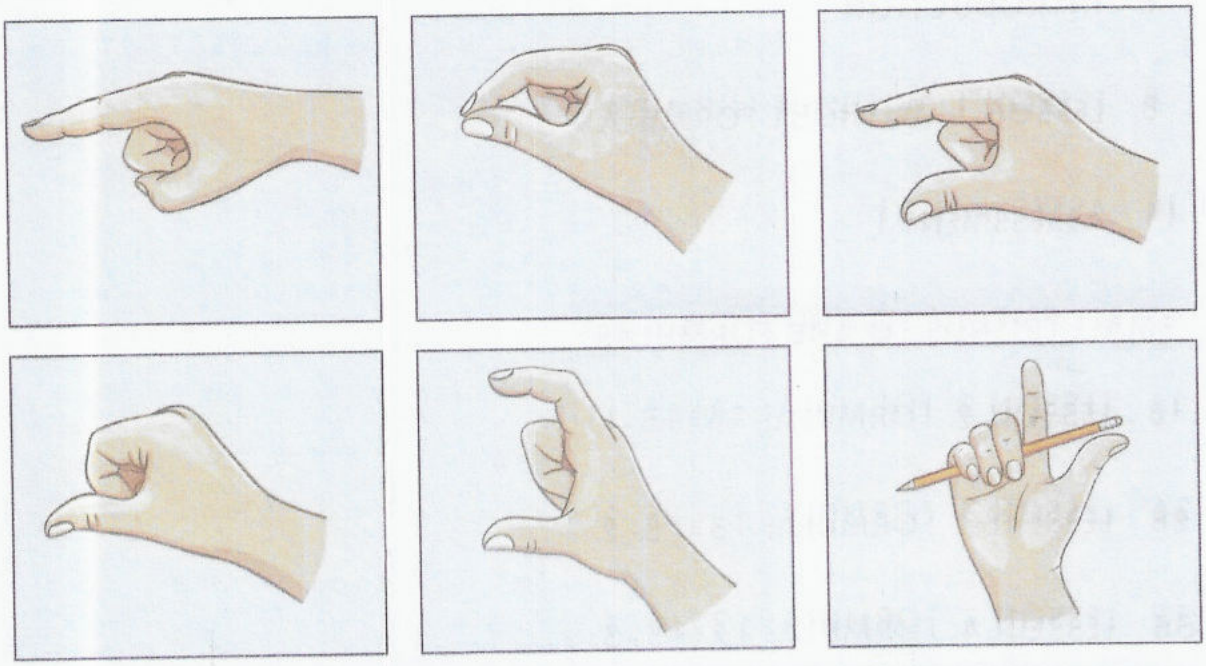
78 LESSON 8 FORMULA: -2=+3-5

88 LESSON 9 FORMULA: -1=+4-5

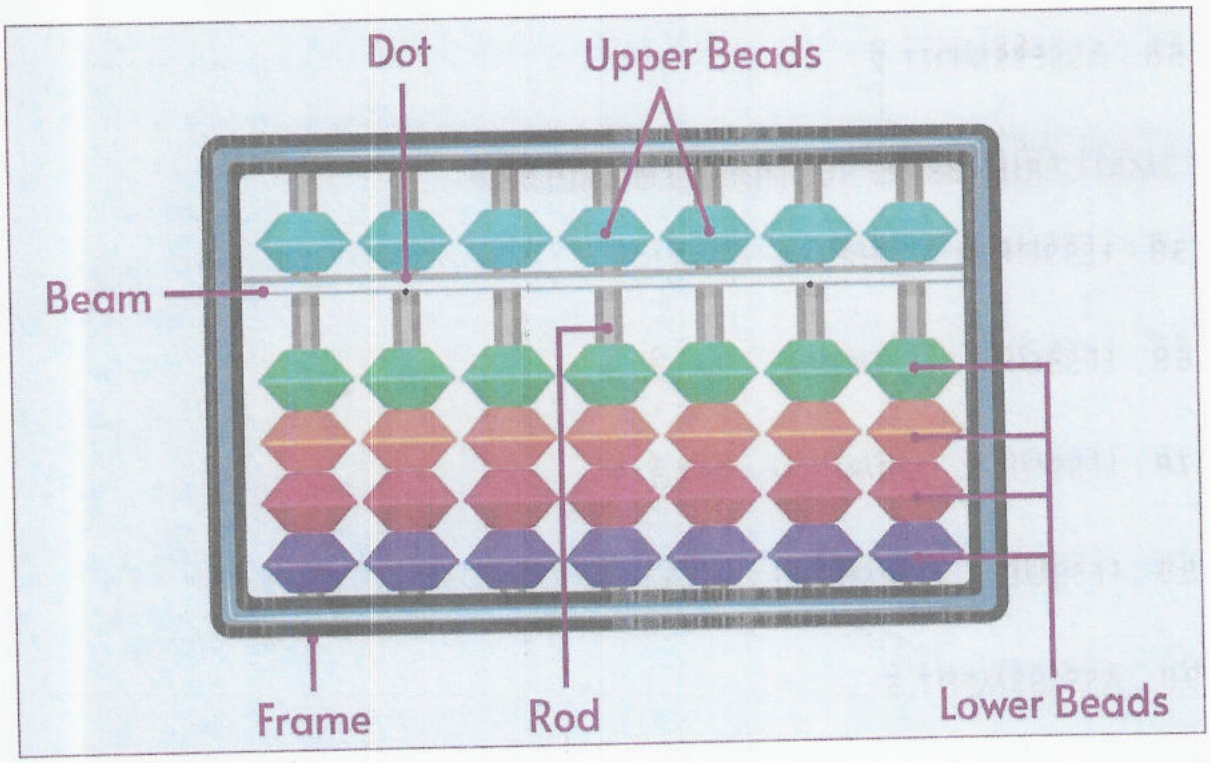
98 ASSESSMENT 3

100 ASSESSMENT 4 (FINAL)

Finger Position



Soroban Parts



A. Speed Writing

Score: _____

0123456789	9876543210
•	• .....
•	• .....
•	• .....
•	• .....
•	• .....
•	• .....

B. Memory Cards

	1	2	3	4	5	6
• Numbers						
• Beads						

C. Listening



	1	2	3	4	5	6
A						
B						
C						



	1	2	3	4	5	6
A						
B						
C						

D. Finger Practice

1 ☐ 2 ☐ 3 ☐

LESSON 1 WITHOUT FORMULA



Training

Time:

Mark: /30

A.

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

B.

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

C.

21	22	23	24	25	26	27	28	29	30
2 -2 2 2 -1	4 -1 -2 3 -4	1 1 1 1 -1	4 -3 -1 2 1	3 -1 2 -4 4	1 2 1 -1 -3	1 3 -2 1 -3	4 -4 2 1 -2	3 -3 2 -2 1	1 -1 4 -2 1



Training

Time:

Mark: /30

D.

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

E.

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

F.

21	22	23	24	25	26	27	28	29	30
4 -4 1 2	3 -1 2 -4	2 2 -1 -3	3 -1 2 -1	4 -3 1 -2	2 -2 2 2	1 2 -3 1	2 1 -1 2	2 2 -3 1	4 -3 1 2

LESSON 1 WITHOUT FORMULA



Training

Time:

Mark: /30

A.

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

B.

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

C.

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



Training

Time:

Mark: /30

D.

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

E.

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

F.

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

LESSON 1 WITHOUT FORMULA



Training

Time:

Mark: /30

A.

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

B.

11	12	13	14	15	16	17	18	19	20
11 10 5	12 7 - 3	13 1 - 4	14 5 -19	15 10 - 5	16 3 - 7	17 1 - 6	18 - 8 3	19 - 4 - 5	10 10 20

C.

21	22	23	24	25	26	27	28	29	30
3 10 5 -17	2 16 30 -11	50 17 2 -9	60 6 -10 - 1	70 5 14 -10	5 12 -16 20	80 10 8 -58	90 9 -90 - 9	50 7 -50 2	10 10 10 -30



Training

Time:

Mark: /30

D.

1	2	3	4	5	6	7	8	9	10
10 10	1 10	10 -10	19 -4	10 9	11 7	13 6	15 1	8 10	7 20

E.

11	12	13	14	15	16	17	18	19	20
15 4 -5	9 - 6 10	7 - 5 12	16 10 -26	10 8 - 3	19 - 8 11	50 40 9	18 -16 2	19 -18 5	39 - 5 -10

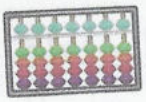
F.

21	22	23	24	25	26	27	28	29	30
10 10 10 10	15 - 5 6 10	50 6 10 12	72 16 -88 77	91 -60 16 - 7	29 20 -17 11	11 11 6 -15	17 -16 18 -19	9 -4 14 50	10 33 -12 5

ASSESSMENT 1

Time: ( )

Mark: (/10)

A. Calculate using the  .

1	2	3	4	5	6	7	8	9	10
3 1 -4 2	4 -2 -1 3	5 3 -6 2	7 -1 -5 3	6 3 -9 7	18 -7 -1 5	10 10 3 6	11 2 6 -10	18 11 -17 1	9 -2 -7 39

Time:

Mark: /10

B. Calculate  .

1	2	3	4	5	6	7	8	9	10
2 2 -3	5 4 -2	9 -5 -1	6 2 -8	7 -6 1	8 1 -9	10 11 -10	16 - 6 -10	9 -9 10	10 8 - 5

LESSON 2 +4=+5-1

Time:

Mark: /30

Training

A.

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

B.

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

C.

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

Time:

Mark: /30

Training

A.

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

B.

11	12	13	14	15	16	17	18	19	20
4 10 4 -1	11 4 -5 2	11 2 4 -6	12 4 3 -7	10 1 4 2	19 -9 3 4	17 -6 4 4	4 14 -8 5	15 2 -5 4	2 2 4 11

C.

21	22	23	24	25	26	27	28	29	30
10 4 4 11 -23	14 14 -6 4 -15	51 4 -5 24 4	50 40 4 4 1	21 14 44 20 -99	80 4 14 -72 13	63 4 -52 43 -55	91 4 2 -65 44	23 14 51 11 -24	44 44 11 -54 42



Training

Time:

Mark: /30

D.

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

E.

11	12	13	14	15	16	17	18	19	20
6 3 -7 4	7 2 -8 4	9 -9 1 4	4 4 -5 4	8 -5 1 -2	10 1 4 4	14 4 - 8 1	19 - 5 4 -5	11 4 -15 9	12 4 -10 3

F.

21	22	23	24	25	26	27	28	29	30
10 8 - 5 14	20 4 4 -21	14 14 1 -19	3 4 12 50	2 2 4 11	45 54 -28 24	99 -55 -44 11	11 41 24 -51	23 11 14 -10	10 10 5 1

LESSON 2 +4=+5-1

Time:

Mark: /30

Training

A.

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

B.

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

C.

21	22	23	24	25	26	27	28	29	30
10 4 10 4 10	2 11 14 10 2	4 4 20 40 -7	5 31 -15 44 4	40 40 4 4 -23	34 14 41 -56 45	16 52 -7 24 -10	18 -5 14 42 30	19 -17 4 22 40	10 11 12 44 11



Training

Time:

Mark: /30

D.

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

E.

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

F.

21	22	23	24	25	26	27	28	29	30
4 10 10	4 4 40	2 20 4	50 1 4	2 44 40	13 54 21	30 41 14	21 21 54	44 44 -55	51 24 -60

LESSON 2 +4=+5-1



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
31 41 21 4	45 54 -99 37	94 4 -10 1	63 -51 4 40	40 40 -50 40	6 11 -15 4	42 4 -5 4	29 -6 14 10	8 80 -3 4	77 -60 42 -1

B.

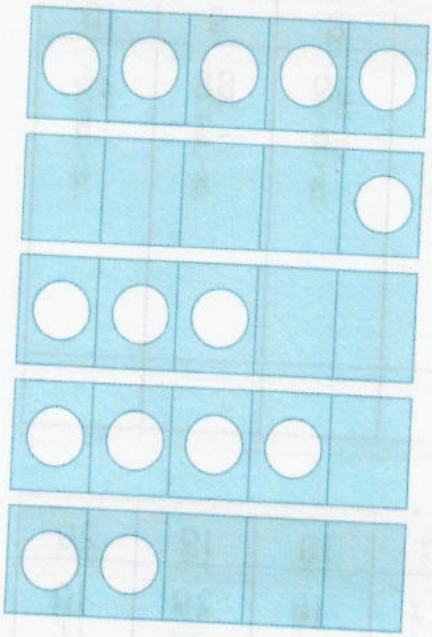
11	12	13	14	15	16	17	18	19	20
26 3 -4 14	64 24 1 -9	46 42 1 -2	55 33 -66 44	81 18 -99 90	43 44 -7 2	11 11 11 44	11 44 -55 15	16 -5 14 20	10 10 40 3

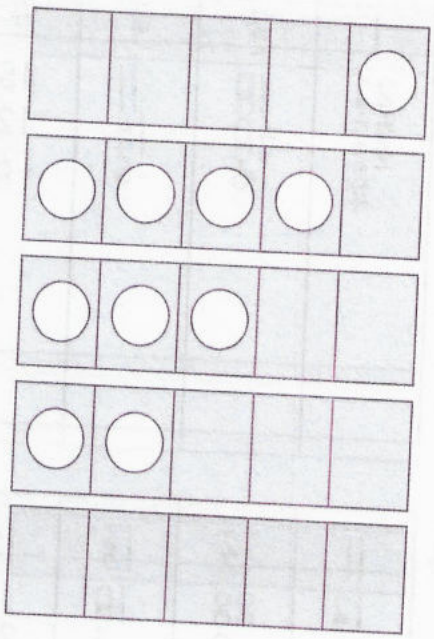
C.

21	22	23	24	25	26	27	28	29	30
31 12 -22 10	40 4 44 -7	26 13 -5 4	35 43 -76 2	36 -25 4 30	8 10 -5 34	111 444 -555 34	441 407 -2 40	4 504 121 -19	623 24 352 -78

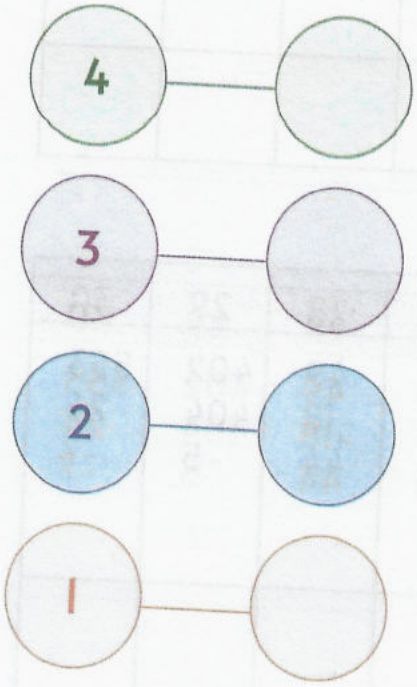
Games

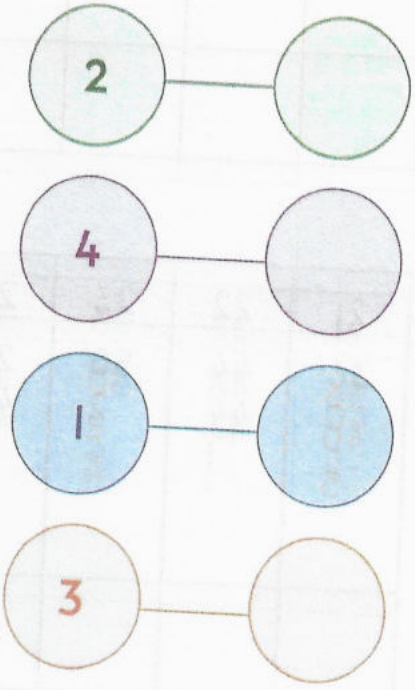
A. Match the small friends.





B. Fill in each bubble with the small friend.





LESSON 2 +4=+5-1



Training

Time:

Mark: /30

A.

1	2	3	4	5	6	7	8	9	10
22 22 4	10 40 6	11 14 -5	15 12 -6	6 10 10	90 9 -3	17 -5 4	39 -6 4	88 -3 4	26 -5 4

B.

11	12	13	14	15	16	17	18	19	20
12 4 -1	99 -9 9	10 1 14	10 20 40	40 50 -90	5 21 - 6	7 - 6 14	18 -13 4	29 -17 24	10 14 14

C.

21	22	23	24	25	26	27	28	29	30
36 40 -5	44 44 1	50 2 4	24 40 4	60 20 8	3 4 70	14 - 4 4	49 -18 44	402 404 -5	553 24 -7

Games

A. Solve the Sudoku puzzles by filling the blanks with numbers between 1 and 4.

NOTE: Numbers should not appear twice in the same row, column, or square.

4	1		
	3	1	4
1			3
3		4	

	4	2	1
2			4
4		1	3
	3		

LESSON 3 +3=+5-2

Time:

Mark: /30

Training

A.

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

B.

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

C.

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

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 3 +3=+5-2

Time:

Mark: /30

Training

A.

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

B.

11	12	13	14	15	16	17	18	19	20
14 3 2 -8	10 4 3 -1	13 13 3 -3	12 3 12 2	11 2 3 -6	14 14 -5 3	9 10 -7 3	3 16 -5 14	5 -5 12 13	18 1 -6 3

C.

21	22	23	24	25	26	27	28	29	30
13 3 13 -16 3	22 3 10 4 -39	22 22 33 -56 4	31 34 11 -66 89	99 -45 23 -55 4	11 14 31 -5 24	90 -50 42 3 13	99 -77 33 2 11	33 44 22 -35 3	32 33 -55 40 9



Training

Time:

Mark: /30

D.

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

E.

11	12	13	14	15	16	17	18	19	20
5 4 -9 9	3 1 4 1	9 -6 3 2	6 -5 4 1	9 -7 3 -5	12 13 14 -8	10 40 40 3	3 14 -10 31	13 3 -16 39	17 12 -15 3

F.

21	22	23	24	25	26	27	28	29	30
1 31 43 -70	9 -8 24 30	30 33 34 2	15 51 33 -99	13 3 13 -3	88 -55 33 21	99 -76 43 23	87 12 -69 31	71 24 -75 30	36 63 -99 11

LESSON 3 +3=+5-2

Time:

Mark: /30

Training

A.

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

B.

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

C.

21	22	23	24	25	26	27	28	29	30
3 10 13 3 -19	12 3 3 41 -8	15 3 20 30 -5	3 20 34 1 21	4 44 30 -8 -60	13 3 42 -6 33	13 13 13 30 -15	12 43 -55 22 33	19 -6 53 -65 24	99 -55 33 -55 44



Training

Time:

Mark: /30

D.

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

E.

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

F.

21	22	23	24	25	26	27	28	29	30
10 3 10	13 13 3	3 13 20	14 3 - 7	23 33 33	24 43 -51	19 -15 53	3 23 -16	13 23 33	30 32 14

LESSON 3 +3=+5-2

Time:

Mark: /30

Training

A.

1	2	3	4	5	6	7	8	9	10
10 3 3	3 13 -6	14 3 -5	18 -5 3	39 - 6 23	10 12 13	32 32 4	4 44 1	3 33 3	10 23 43

B.

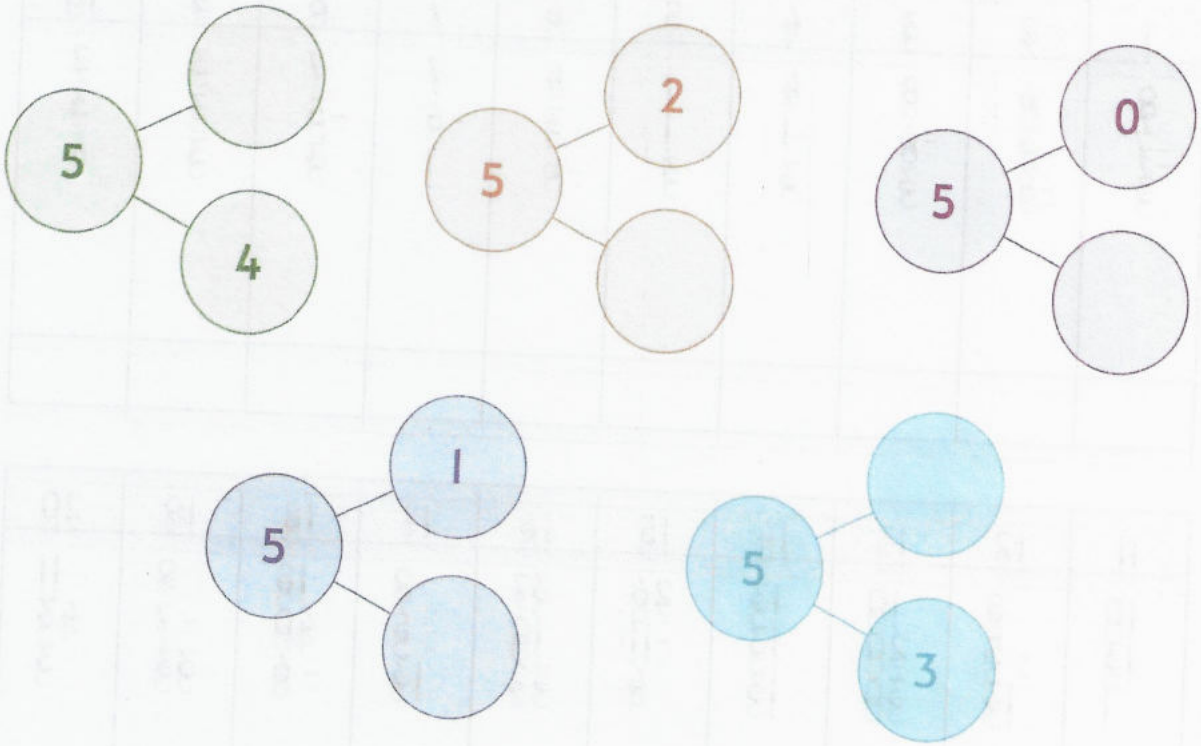
11	12	13	14	15	16	17	18	19	20
46 32 1 - 8	3 3 53 - 9	63 31 4 - 5	10 40 2 3	54 23 -61 3	94 - 2 3 -10	15 51 -15 44	27 30 - 6 14	99 -88 44 22	70 3 13 2

C.

21	22	23	24	25	26	27	28	29	30
56 -55 44 31	88 -66 33 11	91 -70 34 10	78 -51 30 -50	44 33 22 -99	62 13 -50 31	555 444 -999 846	304 403 -500 310	103 23 3 430	454 23 301 -115

Games

A. Find the small friend.



B. Draw your own patterns using the soroban.

1

2

LESSON 3 +3=+5-2



Training

Time:

Mark: /30

A.

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

B.

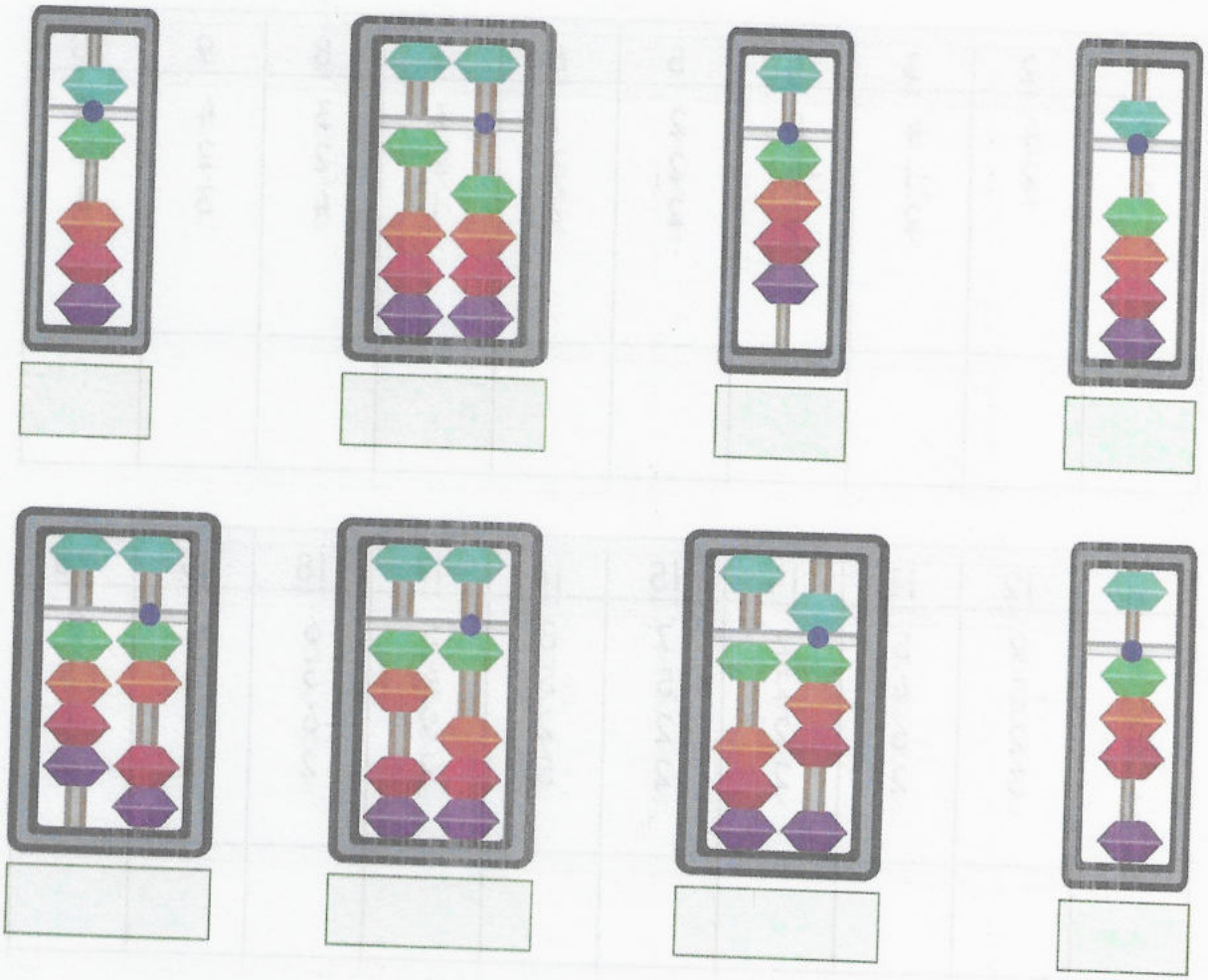
11	12	13	14	15	16	17	18	19	20
10 13 1	8 - 5 13	10 20 30	13 13 13	26 -11 4	37 10 32	9 - 5 13	18 40 - 6	9 - 7 33	11 43 3

C.

21	22	23	24	25	26	27	28	29	30
32 43 24	23 33 30	90 -80 40	96 -65 34	34 43 -77	60 20 10	81 -61 39	93 3 -15	111 503 5	123 230 6

Games

A. Write the number.



LESSON 4 +2=+5-3



Training

Time:

Mark: /30

A.

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

B.

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

C.

21	22	23	24	25	26	27	28	29	30
18 1 -5 12	19 -17 3 4	19 -5 2 11	13 2 1 13	10 4 2 1	13 2 1 10	14 2 3 -19	19 -5 2 -10	13 2 2 1	12 12 2 -15

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

	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 +2=+5-3



Training

Time:

Mark: /30

A.

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

B.

11	12	13	14	15	16	17	18	19	20
10 4 2	70 -50 5	23 2 4	4 3 12	14 -10 2	6 - 5 17	83 2 - 5	20 20 20	31 20 2	46 23 -19

C.

21	22	23	24	25	26	27	28	29	30
10 -10 15	60 30 -80	40 29 -60	15 40 11	57 - 5 32	68 -55 42	96 -61 30	44 55 - 4	999 - 54 -20	203 412 10

Games

A. Write the number.



LESSON 5 +1=+5-4

Time:

Mark: /30

Training

A.

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

B.

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

C.

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

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 5 +1=+5-4

Time:

Mark: /30

Training

A.

1	2	3	4	5	6	7	8	9	10
4 1 2 -7 9	9 -5 1 4 -9	5 4 -9 4 1	3 2 4 -5 1	2 3 2 -6 4	6 13 -5 1 2	10 4 1 12 1	12 13 31 2 1	4 4 11 -15 4	8 -6 13 2 10

B.

11	12	13	14	15	16	17	18	19	20
16 3 -17 3 2	17 22 -5 4 -32	15 -10 4 -5 1	10 11 10 12 10	15 14 -29 4 1	41 41 14 -55 44	51 14 1 -6 1	11 13 14 20 20	99 -90 -9 4 1	88 -61 30 2 -2

C.

21	22	23	24	25	26	27	28	29	30
6 11 -5 23 23	10 10 10 10 10	86 -21 11 -5 4	15 -5 4 1 22	33 22 44 -99 99	2 17 -5 41 44	44 44 11 -50 -8	81 4 -35 6 11	73 22 -80 40 10	53 14 -6 4 31



Training

Time:

Mark: /30

D.

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

E.

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

F.

21	22	23	24	25	26	27	28	29	30
42 13 3 10 -6	50 40 -50 10 30	86 -11 - 5 14 1	99 - 5 -40 - 4 -50	14 11 41 11 -71	8 - 6 4 20 20	20 20 20 20 10	35 31 -55 44 2	44 11 -50 91 -5	22 21 2 11 31

LESSON 5 +1=+5-4



Training

Time:

Mark: /30

A.

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

B.

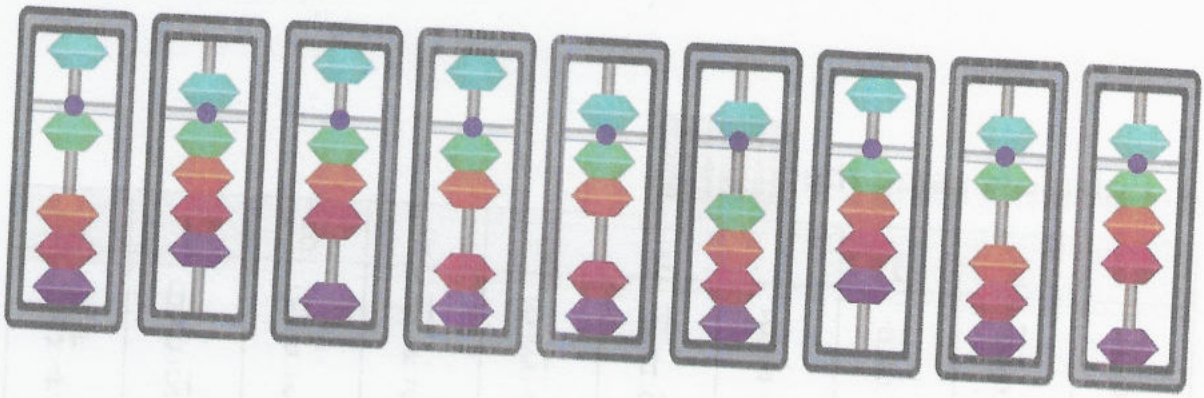
11	12	13	14	15	16	17	18	19	20
10 31 16	6 - 5 14	42 2 50	20 4 11	54 41 - 5	22 23 10	19 - 5 61	46 13 - 9	44 31 4	4 81 10

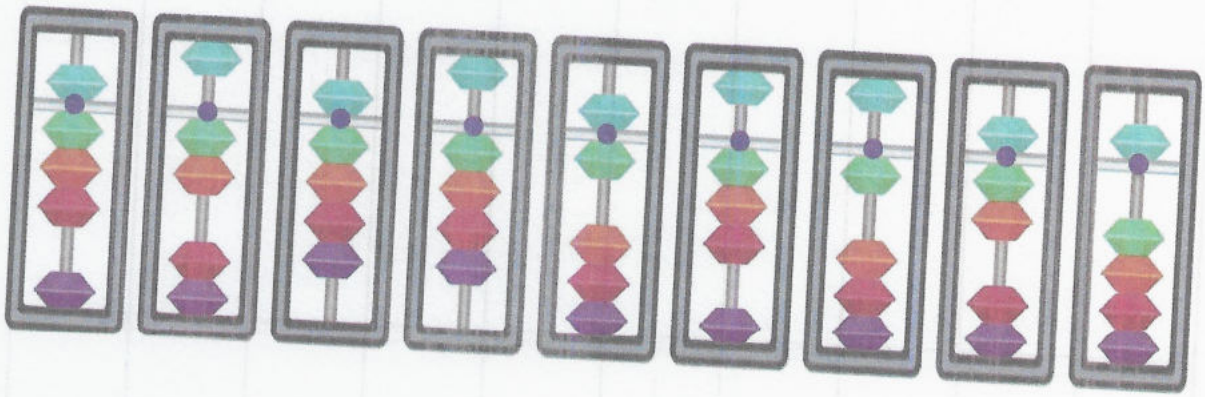
C.

21	22	23	24	25	26	27	28	29	30
20 20 10	34 21 22	43 23 13	40 14 21	61 24 13	89 -65 31	17 32 10	80 10 9	261 105 -16	714 141 100

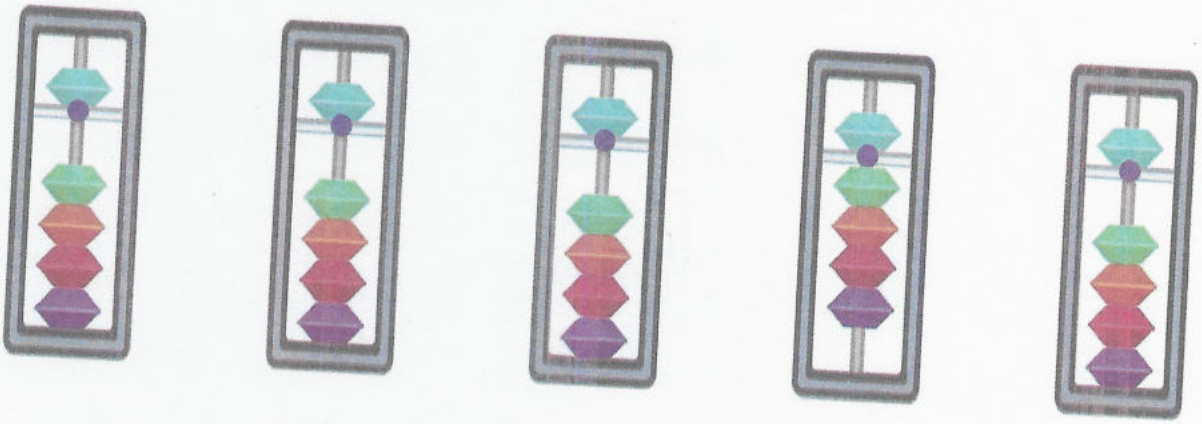
Games

A. Match the big friends.





B. Cross out the intruder.



ASSESSMENT 2

Time:

Mark: /10

A. Calculate using the .

1	2	3	4	5	6	7	8	9	10
3 6 - 5 11 2	19 - 6 3 - 5 4	16 - 5 4 3 1	3 2 4 - 9 10	14 11 -10 2 2	3 13 - 6 12 1	14 4 - 5 3 10	17 - 5 3 4 - 9	10 3 12 40 24	40 40 4 4 -67

Time:

Mark: /10

B. Calculate  .

1	2	3	4	5	6	7	8	9	10
3 3 3 -3	4 1 4 -8	5 3 -6 3	10 2 3 2	13 12 40 1	10 40 1 4	17 -16 4 2	33 6 -29 1	13 2 1 - 5	81 14 -50 30

LESSON 6 -4=+1-5



Training

Time:

Mark: /30

A.

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

B.

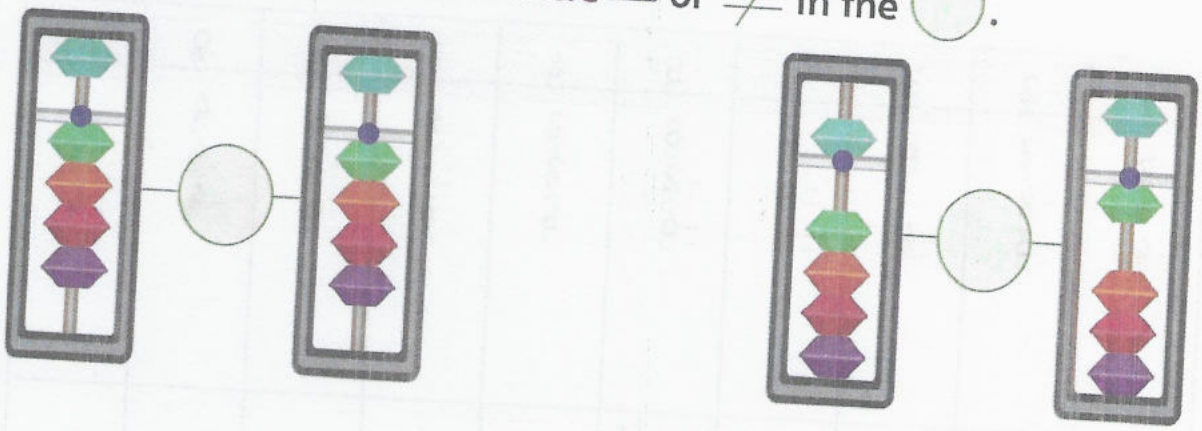
11	12	13	14	15	16	17	18	19	20
17 -4 2	28 -14 5	31 4 -4	55 -44 2	99 -71 -20	63 -42 1	5 -4 32	71 -40 7	36 -14 30	8 -4 51

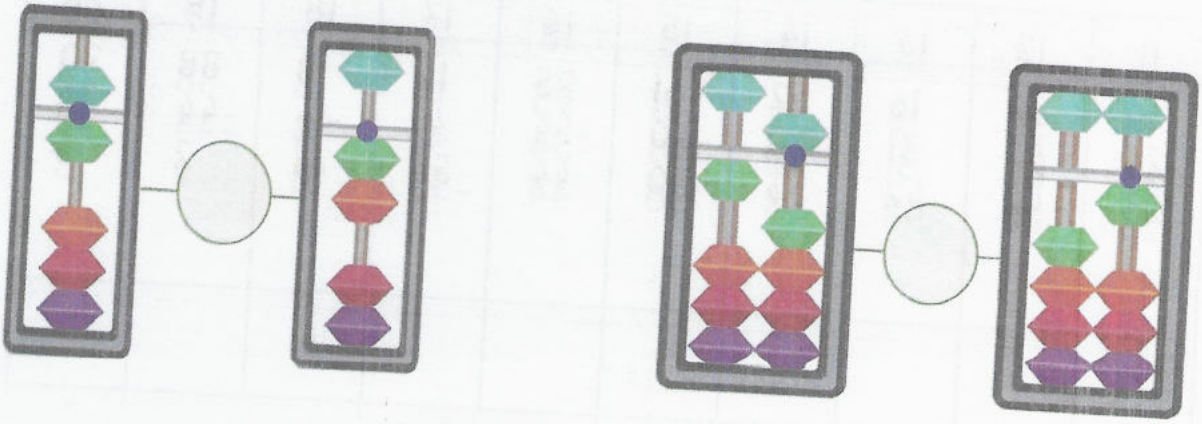
C.

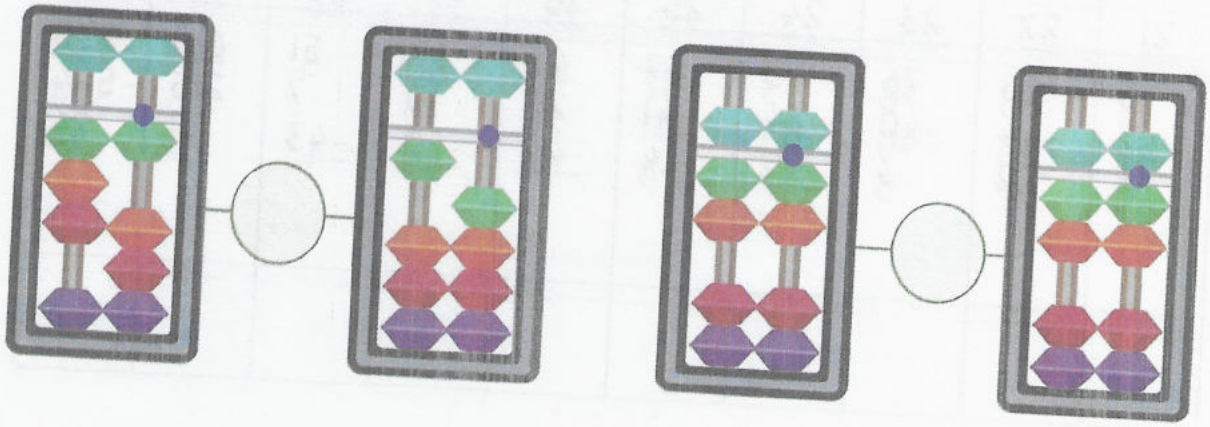
21	22	23	24	25	26	27	28	29	30
39 -14 -14 47	90 -40 -40 -10	83 -41 42 13	69 -15 13 10	82 -40 43 11	51 -41 11 11	36 -14 33 21	900 45 50 -95	505 -4 102 -1	84 -42 723 11

Games

A. Compare the numbers. Write = or ≠ in the ◯.







LESSON 6 -4=+1-5



Training

Time:

Mark: /30

A.

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

B.

11	12	13	14	15	16	17	18	19	20
10 23 23	30 60 -40	16 31 42	52 -40 53	61 -40 30	95 -54 44	14 41 -55	8 -4 61	88 -44 2	20 10 5

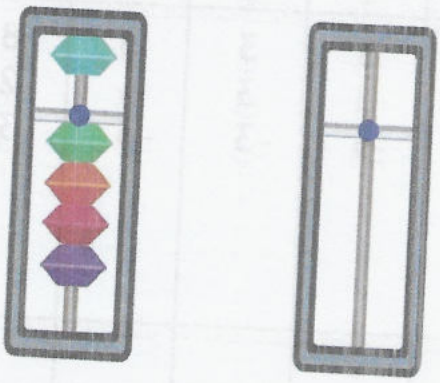
C.

21	22	23	24	25	26	27	28	29	30
15 42 -4	65 -44 22	76 -40 3	3 64 -42	57 -41 -4	45 20 -44	60 10 -40	51 7 -43	661 215 -71	935 -524 24

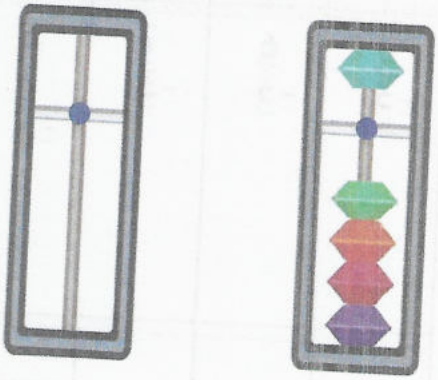
Games

A. Draw beads to match the small friend.

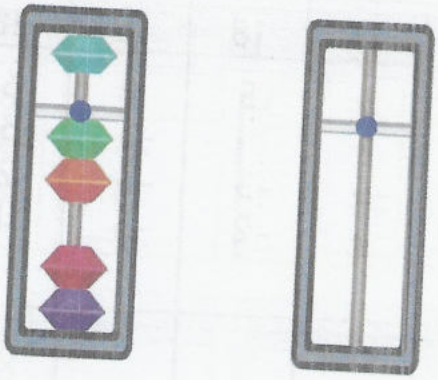
1



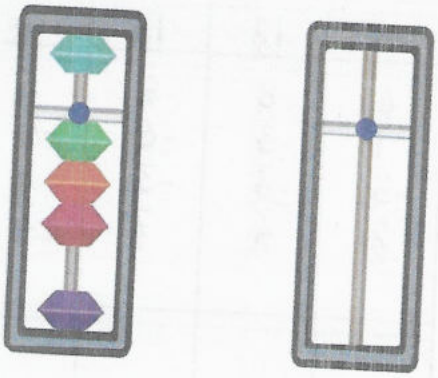
2



3



4



B. Write down all the small friends' formulas to add.

LESSON 7 -3=+2-5

Time:

Mark: /30

Training

A.

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

B.

11	12	13	14	15	16	17	18	19	20
15 -3 14 -13	23 23 -23 23	19 -4 -3 13	21 41 5 -3	16 13 -4 -3	11 10 5 -3	7 -3 14 10	8 -3 -3 13	17 -10 -3 1	34 1 -3 20

C.

21	22	23	24	25	26	27	28	29	30
10 20 30 -30 10	30 20 -30 40 30	15 -13 23 -13 6	69 -13 -53 40 4	72 5 -77 5 3	85 -33 4 -55 4	96 -53 2 -15 9	99 -44 -33 44 33	45 -23 31 11 10	12 12 12 -33 -2



Training

Time:

Mark: /30

D.

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

E.

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

F.

21	22	23	24	25	26	27	28	29	30
3 22 -13 2	5 10 -3 4	55 -33 43 -5	63 36 -99 3	15 -13 37 -9	48 -11 -3 30	37 -33 4 -3	90 9 -24 -43	78 -31 2 -40	10 10 50 -30

LESSON 8 - 2 = +3 - 5



Training

Time:

Mark: /30

A.

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

B.

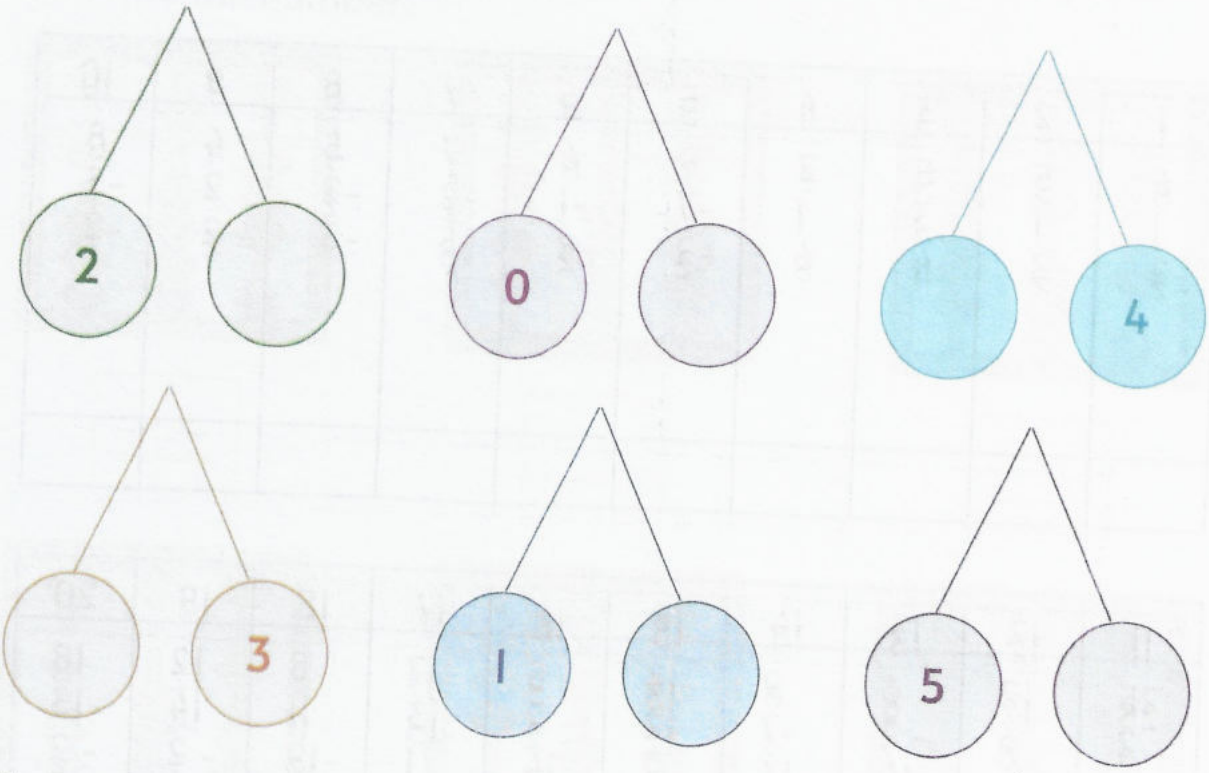
11	12	13	14	15	16	17	18	19	20
15 -2 3 13	25 - 2 43 23	51 -20 46 -3	47 - 3 10 -20	66 -42 3 -17	96 - 2 -50 10	55 -22 1 -4	3 2 61 -2	90 5 -82 40	43 12 -2 33

C.

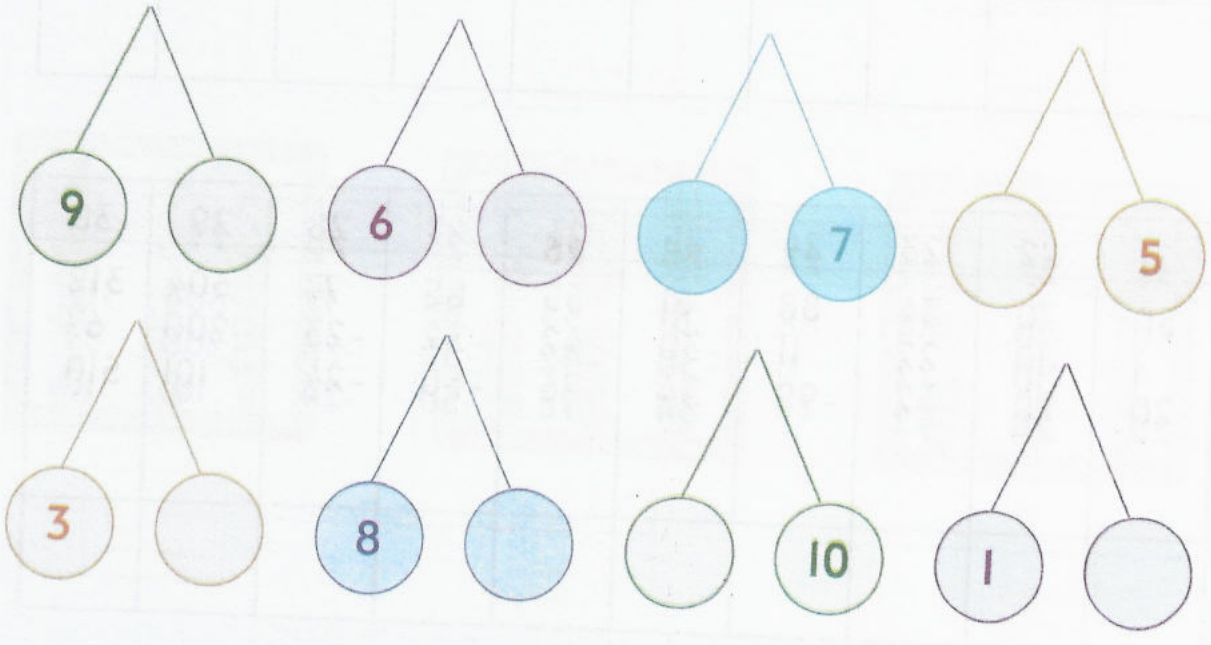
21	22	23	24	25	26	27	28	29	30
24 31 -42 42	74 -31 30 -42	62 -21 14 -22	22 77 -44 -23	40 10 -20 40	25 -12 43 - 2	909 - 4 -602 33	152 -20 400 47	660 -230 15 553	999 -444 -222 24

Games

A. Make small friends.



B. Make big friends.



LESSON 9 -1=+4-5

Time:

Mark: /30

Training

A.

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

B.

11	12	13	14	15	16	17	18	19	20
7 52 -10 -9	4 55 -13 -3	50 5 -1 14	66 3 -14 -1	20 6 -11 -1	41 8 -24 -1	10 5 -11 3	7 80 -32 -11	52 5 -17 9	25 2 -12 -1

C.

21	22	23	24	25	26	27	28	29	30
20 10 20 -10	55 -11 44 -11	75 3 -23 -10	4 52 -14 33	44 50 -43 -11	33 42 -41 31	90 -40 -10 30	80 8 -32 -13	71 15 -31 -11	53 16 -24 -21



Training

Time:

Mark: /30

D.

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

E.

11	12	13	14	15	16	17	18	19	20
50 -10 -30	5 10 -11	50 9 -10	3 52 -11	1 15 - 4	3 53 -10	90 -40 -10	80 10 9	16 - 1 - 1	95 - 1 3

F.

21	22	23	24	25	26	27	28	29	30
13 6 -4 -11	34 4 -13 -1	13 4 -12 -1	54 11 -1 2	23 2 -1 3	63 3 -12 -1	46 - 2 11 -11	71 4 -31 3	88 -33 -11 24	10 40 7 -13

ASSESSMENT 4 FINAL

Time:

Mark: /10

A. Calculate using the  .

1	2	3	4	5	6	7	8	9	10
3	9	3	13	25	99	66	48	9	11
4	-4	2	3	-11	-43	-32	-14	50	-10
-3	-1	-1	52	42	-13	65	50	-27	16
2	3	4	-34	-13	32	-72	-83	33	-3
-1	-4	-6	-34	52	-43	-3	24	-41	51
-1	2	3	12	-33	10	11	-1	-24	4