

Name and surname: _____

Grade: _____ Date _____

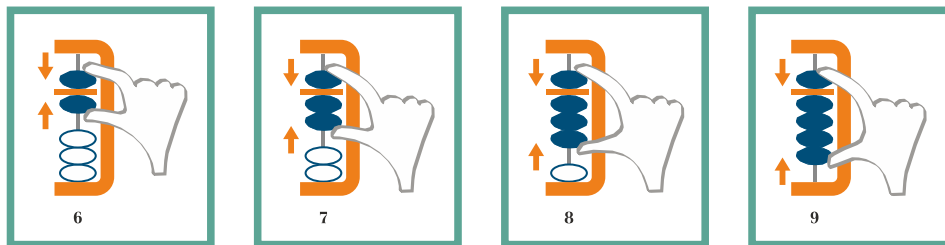
Learning to calculate with the abacus

session
22




additions using the abacus
pinch movement









1. Learn and practice






Do the following calculations using your abacus and once you have the result, draw it in the abacus.

(A)  +  = 

(B)  +  = 

(C)  -  = 

(D)  -  = 

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2. Learn and practice

Do the following calculations using your abacus, write down the result and finally link it with the corresponding abacus.

Ⓐ

6
2
-3



Ⓑ

4
-2
7



Ⓒ

1
8
-5



Ⓓ

9
-4
-5



Ⓔ

7
-5
6



Ⓕ

8
-3
2



Ⓖ

3
6
-3



Ⓗ

2
-1
8



Ⓘ

6
-5
7



⓵

3
6
-4



TEACHER'S VERSION

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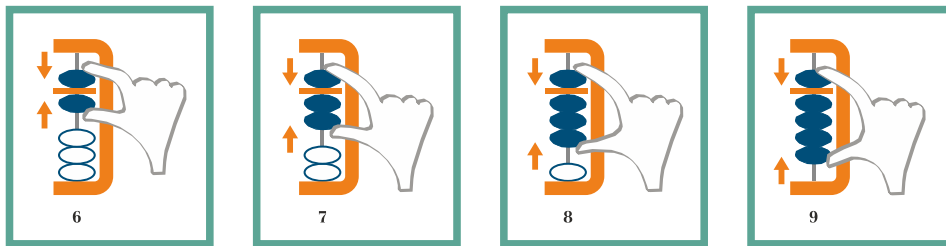


1. Learn and practice

Information for the teacher

How to add lower and upper beads at the same time?

To do these movements (for example, to add 6) the upper and lower beads should be moved simultaneously ($5+1$). To that end, make the movement known as "pinch", moving the lower beads upwards with the thumb and simultaneously lower the upper bead with the index finger. To explain this concept, the teacher will show how to add 6, 7, 8 and 9 when there is no number represented in the abacus yet.



Do the following calculations using your abacus and once you have the result, draw it in the abacus.

(A) + =

(B) + =

(C) - =

(D) - =

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2. Learn and practice

Do the following calculations using your abacus, write down the result and finally link it with the corresponding abacus.

(A)	(B)	(C)	(D)	(E)
6	4	1	9	7
2	-2	8	-4	-5
-3	7	-5	-5	6
(5)	(9)	(4)	(0)	(8)
(F)	(G)	(H)	(I)	(J)
8	3	2	6	3
-3	6	-1	-5	6
2	-3	8	7	-4
(7)	(6)	(9)	(8)	(5)