

Name and surname: _____

Grade: _____ Date _____

Learning to calculate with the abacus

session
23

addition using the abacus
pinch movement



1. Each abacus with its match

Do the operations using your abacus and write down the result. Next to it write the corresponding letter of the abacus. Look at the example given!

Ⓐ $2+1+6=$ $=$

Ⓑ $4-1-1=$ $=$

Ⓒ $5+1-5=$ $=$

Ⓓ $5+4-3=$ $=$

Ⓔ $2+2-3=$ $=$

Ⓕ $8-5+1=$ $=$

Ⓖ $3+6-4=$ $=$

Ⓗ $2-2+9=$ $=$

Ⓘ $1+8-2=$ $=$

Ⓙ $9-3+2=$ $=$



Ⓐ



Ⓑ



Ⓒ



Ⓓ



Ⓔ



Ⓕ



Ⓖ



Ⓗ



Ⓙ

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2. Each abacus with its match

Do the operations using your abacus and write down the result. Next to it write the corresponding letter of the abacus. Look at the example given!

Ⓐ $9-5-3+6=$ **7** = **R**

Ⓑ $2+7-4+1=$ ○ = ○

Ⓒ $1+6-2+4=$ ○ = ○

Ⓓ $3+6-3+2=$ ○ = ○

Ⓔ $7-5+6-5=$ ○ = ○

Ⓕ $1+8-4-5=$ ○ = ○

Ⓖ $3+6-5-2=$ ○ = ○

Ⓗ $9-4+3+1=$ ○ = ○

Ⓘ $7-2+4-3=$ ○ = ○

Ⓙ $6+3-4+2=$ ○ = ○



Ⓐ



Ⓑ



Ⓒ



Ⓓ



Ⓔ



Ⓕ



Ⓖ



Ⓗ



Ⓘ



Ⓙ

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3. Each abacus with its match

Do the operations using your abacus and write down the result. Next to it write the corresponding letter of the abacus. But this last step do it only when you have used the pinch movement! Look at the example given!

Ⓐ $1+7-5=$ **3** $=$ **I**

Ⓑ $8-5+6=$ $=$

Ⓒ $9-2-1-1=$ $=$

Ⓓ $5+2-5=$ $=$

Ⓔ $8-5+6-5=$ $=$



F



G



H



I



J



K



L



M



N



O

Name and surname: _____

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4. Each abacus with its match

Do the operations using your abacus and write down the result. Next to it write the corresponding letter of the abacus. But do this last step only when you have used the pinch movement! Look at the example given!

Ⓐ $8-2+3=$ $=$

Ⓑ $1+8-5=$ $=$

Ⓒ $1+3-2+5=$ $=$

Ⓓ $5+3-2-5=$ $=$

Ⓔ $9-5-1+1=$ $=$



Ⓕ



Ⓖ



Ⓗ



Ⓘ



Ⓙ



Ⓚ



Ⓛ



Ⓜ



Ⓝ



Ⓞ

TEACHER'S VERSION

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pinch movement



2. Each abacus with its match

Do the operations using your abacus and write down the result. Next to it write the corresponding letter of the abacus. But this last step do it only when you have used the pinch movement! Look at the example given!

Ⓐ $9-5-3+6=$ **7** = **R**

Ⓑ $2+7-4+1=$ **6** = **Q**

Ⓒ $1+6-2+4=$ **9** = **T**

Ⓓ $3+6-3+2=$ **8** = **S**

Ⓔ $7-5+6-5=$ **3** = **N**

Ⓕ $1+8-4-5=$ **0** = **K**

Ⓖ $3+6-5-2=$ **2** = **M**

Ⓗ $9-4+3+1=$ **9** = **T**

Ⓘ $7-2+4-3=$ **6** = **Q**

Ⓙ $6+3-4+2=$ **7** = **R**



Ⓐ



Ⓑ



Ⓒ



Ⓓ



Ⓔ



Ⓕ



Ⓖ



Ⓗ



Ⓘ



Ⓙ

To solve the exercises you can also check:

Practice sheets



Theory practice sheets
from session 22

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session
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pinch movement



1. Each abacus with its match

Do the operations using your abacus and write down the result. Next to it write the corresponding letter of the abacus. But this last step do it only when you have used the pinch movement! Look at the example given!

Ⓐ $2+1+6=$ **9** = **S**

Ⓕ $8-5+1=$ **4** = **N**

Ⓑ $4-1-1=$ **2** = **L**

Ⓖ $3+6-4=$ **5** = **O**

Ⓒ $5+1-5=$ **1** = **K**

Ⓗ $2-2+9=$ **9** = **S**

Ⓓ $5+4-3=$ **6** = **P**

Ⓘ $1+8-2=$ **7** = **Q**

Ⓔ $2+2-3=$ **1** = **K**

Ⓙ $9-3+2=$ **8** = **R**



Ⓐ



Ⓑ



Ⓒ



Ⓓ



Ⓔ



Ⓕ



Ⓖ



Ⓗ



Ⓙ

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3. Each abacus with its match

Do the operations using your abacus and write down the result. Next to it write the corresponding letter of the abacus. But this last step do it only when you have used the pinch movement! Look at the example given!

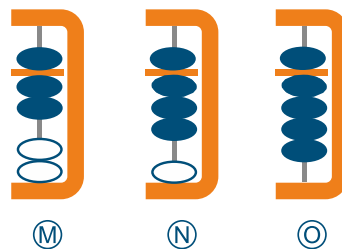
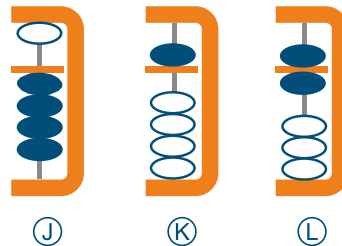
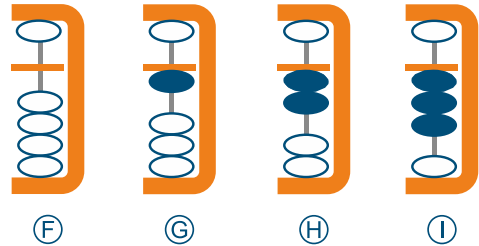
Ⓐ $1+7-5=$ **3** = **I**

Ⓑ $8-5+6=$ **9** = **O**

Ⓒ $9-2-1-1=$ **5** = **K**

Ⓓ $5+2-5=$ **2** = **□**

Ⓔ $8-5+6-5=$ **4** = **J**



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4. Each abacus with its match

Do the operations using your abacus and write down the result. Next to it write the corresponding letter of the abacus. But this last step do it only when you have used the pinch movement! Look at the example given!

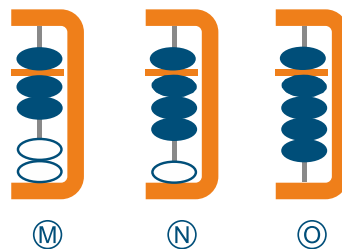
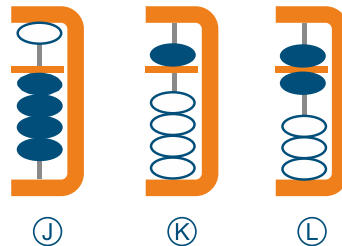
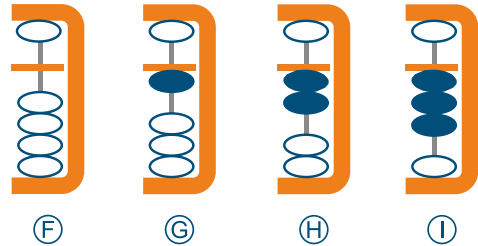
Ⓐ $8-2+3=$ **9** = **○**

Ⓑ $1+8-5=$ **4** = **J**

Ⓒ $1+3-2+5=$ **7** = **○**

Ⓓ $5+3-2-5=$ **1** = **○**

Ⓔ $9-5-1+1=$ **4** = **J**



To solve the exercises you can also check:

Practice sheets



Theory practice sheets
from session 22