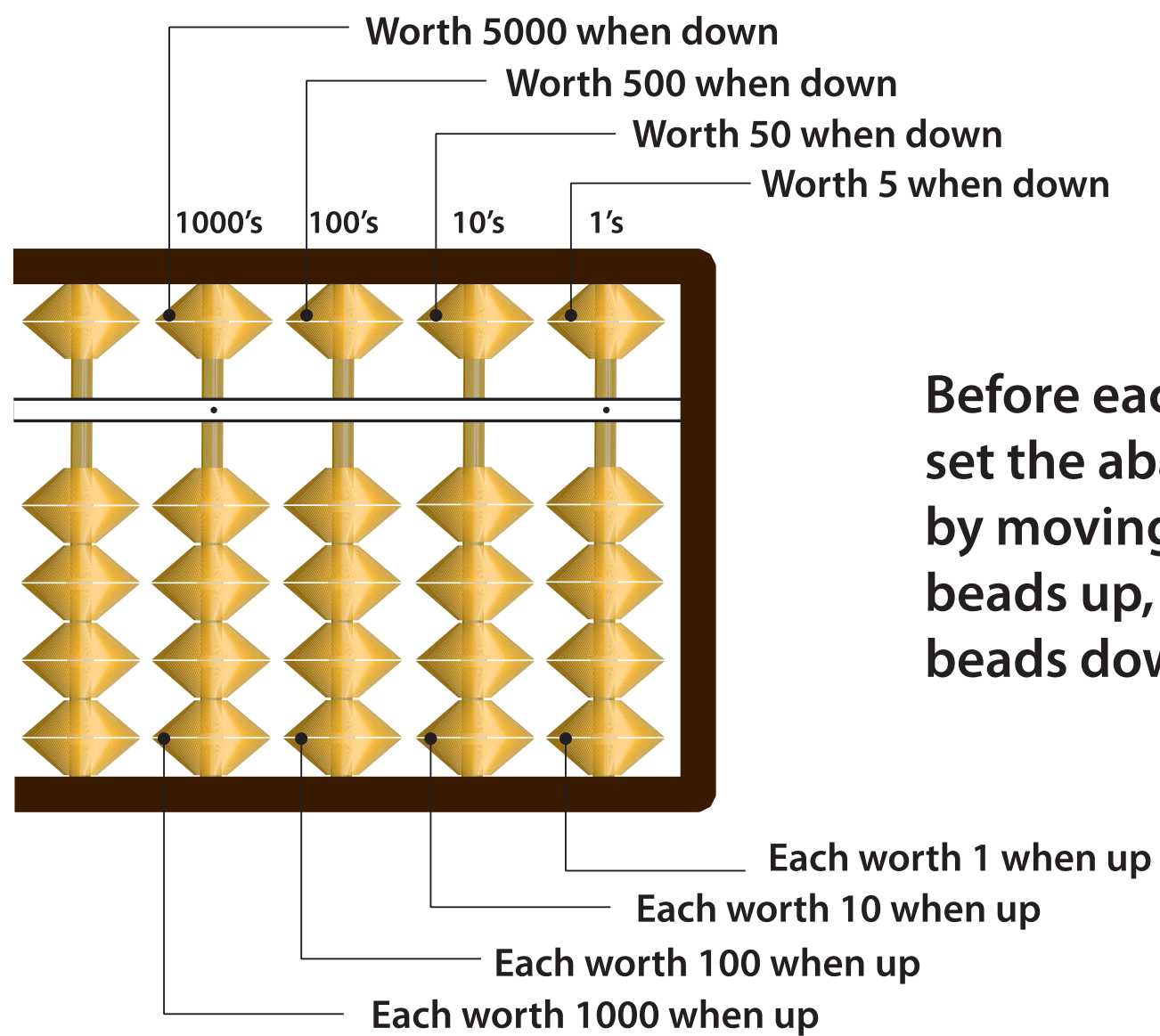


VALUE OF BEADS

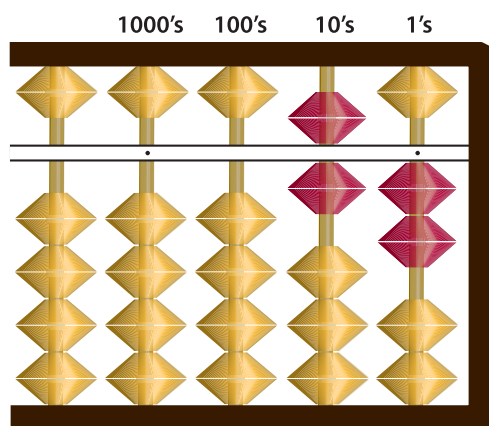


Before each calculation, set the abacus to zero by moving all Heaven beads up, and all Earth beads down.

EXAMPLE 1

$$\begin{array}{r} 62 \\ + 12 \\ \hline 74 \end{array}$$

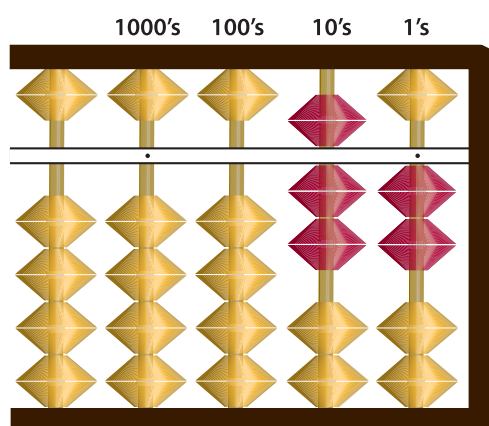
Before each calculation, set the abacus to zero by moving all Heaven beads up, and all Earth beads down.



Step 1

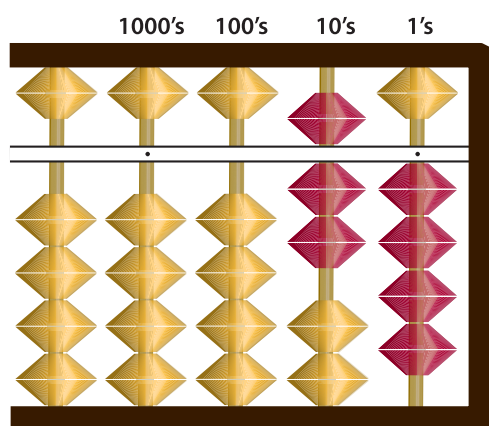
Move one 10's Earth bead up and one 10's Heaven bead down (=60)

Then move two 1's Earth beads up (=62)



Step 2

Move one 10's Earth bead up to add 10 (=72)



Step 3

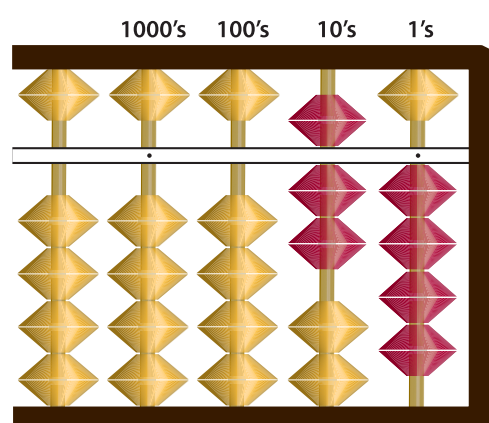
Move two 1's Earth beads up to add 2 (=74)

Result: 74

EXAMPLE 2

$$\begin{array}{r} 74 \\ + 53 \\ \hline 127 \end{array}$$

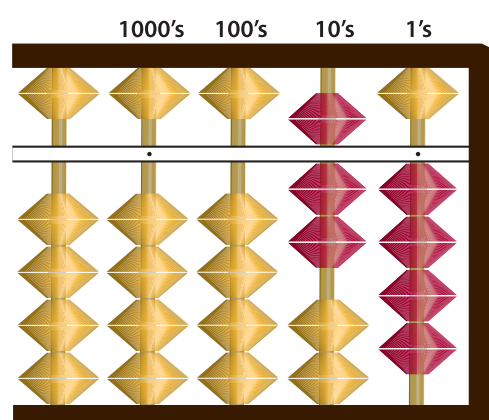
Before each calculation, set the abacus to zero by moving all Heaven beads up, and all Earth beads down.



Step 1

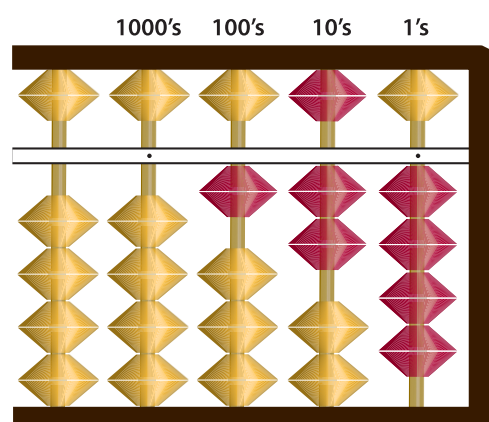
Move two 10's Earth bead up and one 10's Heaven bead down (=70)

Then move four 1's Earth beads up to add 4 (=74)



Step 2

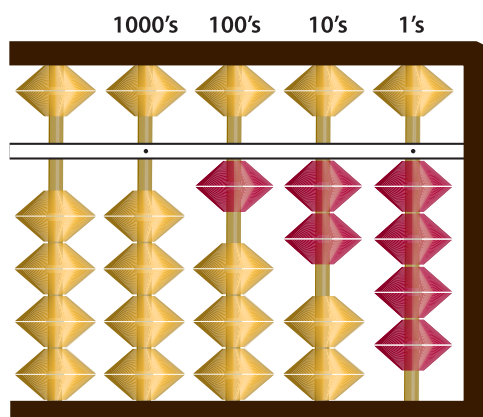
Try to move one 10's Heaven bead down to add 50, but it's already down...



Step 3

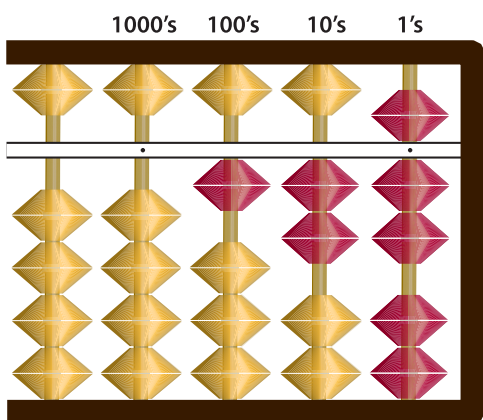
So move it up to subtract 50 then move a 100's Earth bead up to add 100 (=124).

**This is a carry from 10's to 100's place!*



Step 4

Then, try to move three 1's Earth beads up add 3, but they are all up...



Step 5

So move the 1's Heaven bead down to add 5, then move two Earth beads down to subtract 2
**This is a "carry" from Earth to Heaven!*

Result: 127