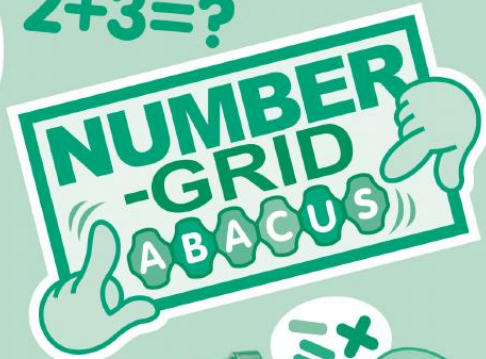




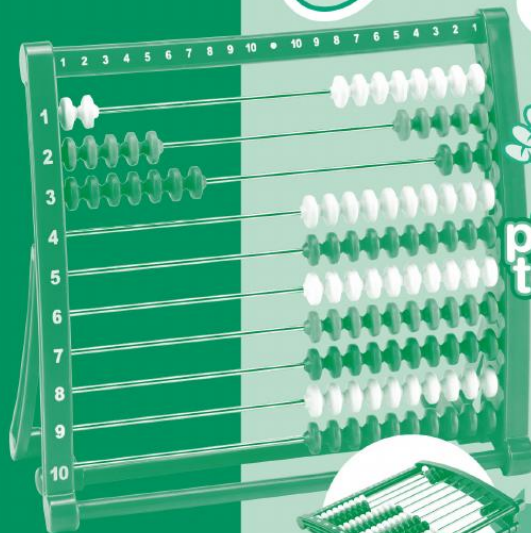
TEACHING AID
#1188

$2+3=?$



GENIUS TOY TAIWAN CO., LTD.

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Let's
play math
together!

5-4-

3+





Number-Grid Abacus Features

- It includes 100 beads in 5 colors on 10 rows and shows number references on the frame both horizontally and vertically.
- Good for children to practice counting up or down and demonstrate an understanding of the relationship between numbers and quantities.
- It has a built-in stand that can be folded to allow the abacus to lay flat or pulled out in a locked position to stand upright.

Using Number-Grid Abacus

1 To help understand numbers and quantities

Push all the beads to the left side of the abacus.

Point to a number on the top right edge of the frame, such as 3, and ask, "What number is this?"

When you hear the correct answer, say, "Who can show me how many beads that is?" Encourage a volunteer to push three beads to the right, counting each one. Help children discover that the third bead aligns with the number 3.

Repeat with other numbers. When students are demonstrating numbers above ten, remind them to use the beads on the top rod to count to ten, then use the beads on the second rod to continue, beginning with eleven.

2 Counting to 10

Start with all the beads on the left side. Model how to count the beads on the first (top) rod, sliding each bead all the way to the right side as you count it. Help students discover that the numbers on the frame at the top of the abacus line up with the beads on both sides.

3 Counting higher than 10

Students who are ready to count higher numbers can simply move down to the second row and continue counting, beginning with 11. It is possible to count up to 100 in this way.

4 Counting down

With the beads pushed to the right side of the abacus, show students how to read the number "10" above the bead closest to the center of the row. Push that bead all the way to the left as you count "ten". The next bead is under the 9; push it to the left as you say "nine," and continue until you have counted down from 10 to 1.

5 Counting on

Push several beads to the right side of the abacus and help students read the number.

Ask, "What number is one more than this?"

Model how to discover the answer by pushing one more bead to the right and reading the new number. Repeat with other starting numbers. When students are comfortable with the activity, have them try counting backwards from a number by moving one bead to the left.

6 Skip counting

Start with all of the beads at the left side. Push two beads all the way across and have children read the number above the inside bead (2).

Push two more beads across and read the number again (4). Continue until you reach 10.

Explain that counting 2 beads at a time in this way is called "skip counting by twos."

Encourage students to try it on their own.

How Number-Grid Abacus Can Stand Upright

Lift the brackets gently at the joints to release the pins, then slide the pins all the way down into their notches to lock the brackets in the standing position. The abacus can just stand upright.



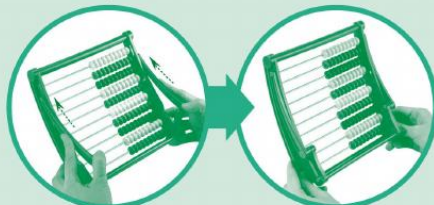
Lift the brackets at the joints.

Slide down the pins.

Pins are locked.

How Number-Grid Abacus Can Lay Flat

Lift the pins out of their notches and slide them up toward the top of the abacus, then the abacus can lay flat.



Lift the pins and slide them up toward the top of the abacus.