

# Unifix® Operations Tray

The Unifix® Operations Tray should be used with Unifix® Cubes to demonstrate and validate simple equations. The Operations Tray is also a framework to further the understanding of mathematical operations in Grades 1–2.

## Sample Activities

### Grade 1 –The Properties of Operations

Distribute a quantity of Unifix® Cubes and an Operations Tray to each group of students. Write a number sentence such as  $8 + 7 = ?$  on the whiteboard.

Ask the students to take 8 cubes and place them in the left-hand channel of the Operations Tray and then place 7 cubes in the right-hand channel.

**Ask**, “How many cubes must we move to show the number 10 in the left side of the tray?” Students should then move 2 cubes into that column, leaving 5 in the right-hand channel.

The sum of  $8 + 7$  is 1 ten and 5 ones, or 15. Students should demonstrate this statement by placing the 5 ones on top of the 10 cubes and then reading the number 15 on the ladder.

Repeat this activity with other number sentences such as  $7 + 6$ ,  $8 + 4$ ,  $9 + 7$ , etc. After each activity is completed, ask the students to write the complete number sentence.

### Grade 2 – Foundations of Multiplication

Distribute 20 Unifix® Cubes and an Operations Tray to a pair of students. Ask them to put an equal number of cubes in each side of the tray and then write an equation to express an even number as a sum of two equal addends. Have students repeat this until they have covered all the combinations possible.

## Also Available at [didax.com](http://didax.com)

### 100 Unifix® Cubes

Unifix® Cubes in 10 assorted colors — the Gold Standard in math manipulatives!

This is a great starter set to introduce the world of Unifix®

Cubes! This package includes 100 cubes in 10 standard colors: red, dark blue, light blue, yellow, green, orange, maroon, brown, black, and white.



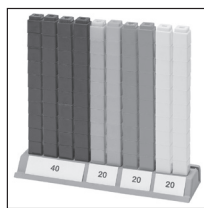
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### Unifix® Cubes Hundred Base, Gr. K–4

Use with Unifix® Cubes to model number concepts, base ten, and operations through 100. Includes teacher's guide with illustrated activities.

Base is 3" x 9" with 10 positions, and includes number label cards and 100-grid card.

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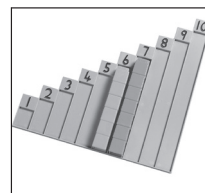


### Unifix® 1–10 Stair, Gr. K–3

Ideal for reinforcing and teaching numbers, ordering, and sequencing.

The “1–10 Stair” consists of ten joined vertical grooves.

Rods of individual Unifix® Cubes are inserted to match the values printed at the top of each groove, to shore up basic skills of counting and cardinality.



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