

Hundred Boards and Manipulatives

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The Hundred Boards and Manipulatives are great tools for the elementary math classroom. These tools can be used to teach and perform different math concepts and functions. A number of educational websites contain activity and game suggestions for use with a hundred board. To get you started, some of the concepts are listed below.

Concepts for Activity Planning

Identifying and ordering numbers
Counting to 100
Counting forward and back
Skip counting (by 2s, 5s, and 10s)
Comparing numbers (greater than and less than)
Identifying odd and even numbers
Identifying patterns
Making and extending patterns
Identifying missing numbers in a series of numbers
Demonstrating position (above, left, next to)
Identifying columns, rows, and diagonals
Understanding place value and the base ten number system
Describing numbers as ones and tens
Performing addition and subtraction
Illustrating multiplication
Illustrating decimals and fractions
Illustrating mathematical terms



Components



1. Number Board. This yellow board has a raised black-line grid with ten squares going across and ten squares going down. The squares on the grid are numbered across 1 through 100 in black and in either Nemeth or UEB braille code. This board can be used as a handy reference to check work done on the Grid Board; or index cards can be cut and taped over certain numbers for patterning or missing number activities.

2. Grid Board. This board is gray with a similar raised black-line grid. There are no numbers on the grid. The other side of the board is blank.

3. Manipulatives. There are two kinds of manipulatives—numbers and shapes. For convenient storage and transport, manipulatives come with/in plastic, self-sealing bags—one for the numbers and one for each of the four shapes. Manipulatives can be put directly on the Grid Board or placed on the loop material on the back of the Number Board for storage. This can be especially helpful when you wish to limit the numbers used by the student.

a. Numbers. The numbers are on white squares with both black print and either Nemeth or UEB braille code on them so they are suitable for use in mainstream classes and with both print and braille users. The upper right corners are cut at an angle to aid in orientation. Numbers can be used to replicate the Number Board or for various activities involving the manipulation of numbers on the Grid Board. Numbers

can also be attached to a long strip of loop material to form a number line.

b. Shapes. There are 100 of each of four different shapes in four distinct colors: red circles, blue squares, green triangles, yellow stars.

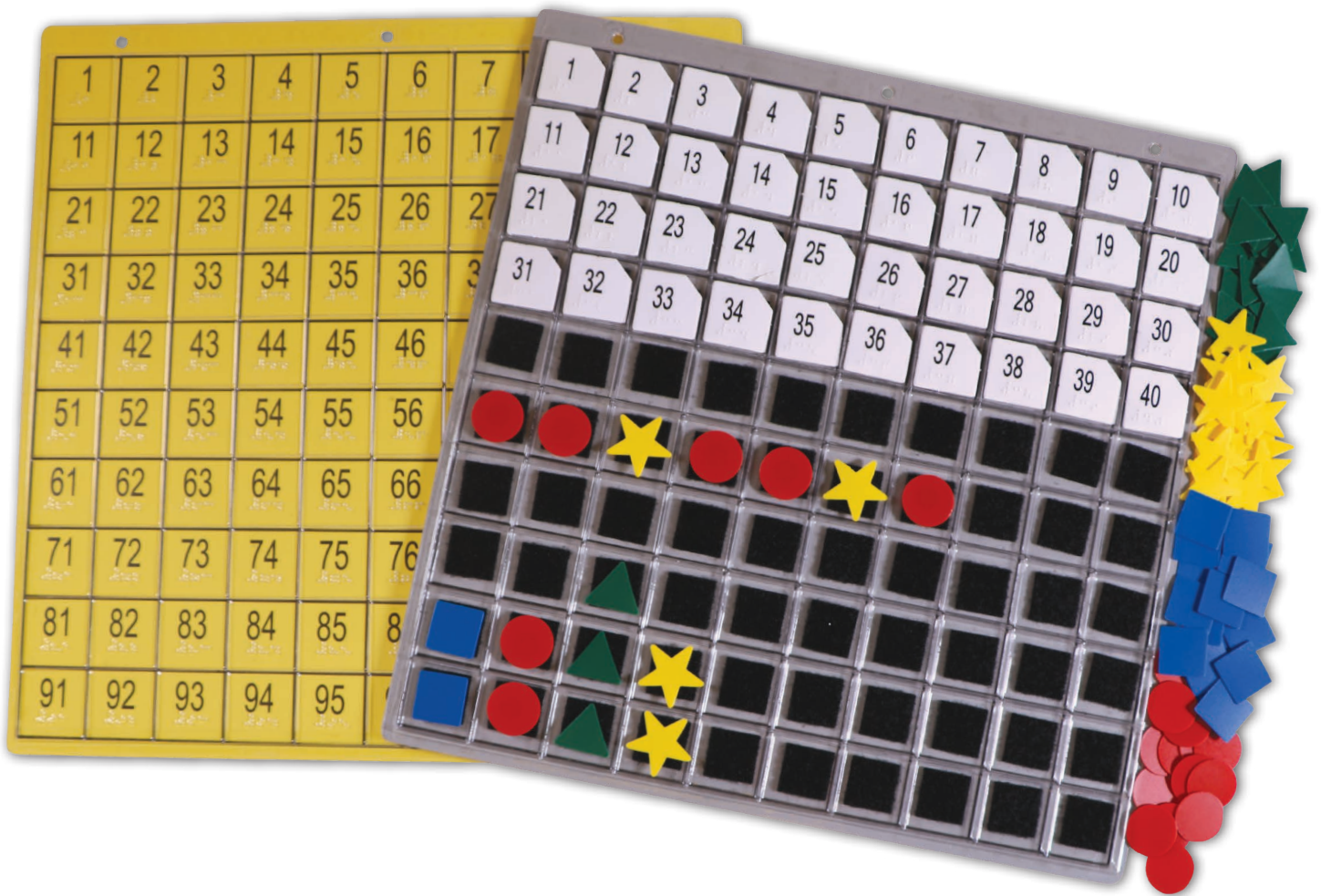
Shapes can be used for a variety of activities including patterning, replacing or marking certain numbers, or representing specific items on a graph.



Getting Started

Punch out number manipulatives from perforated sheets. Peel the backing from each piece of hook or loop materials and apply as follows:

- Black squares of hook material to back of numbers
- White coins of hook material to back of shapes
- Black squares of loop material to squares on Grid Board
- Long black strips of loop material to back of Number Board to be used for storage



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