

Grades 1+

EAI 532306



9 8 7 6 5 4 3 2 1 1 2 3 4 5 6 7 8

- Explore the relationship between number values
- Display number relationships of equal to (=), greater than (>), and/or less than (<).</li>
- Demonstrate addition, subtraction, and/or multiplication by placing weights on the pegs of the balance beam.

WARNING: CHOKING HAZARD - SMALL PARTS NOT FOR CHILDREN UNDER 3 YRS.



# Introduction

We all know 2+2=4, the simplest math problem.

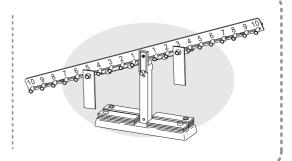
How did you learn it? How can you be so sure that is true?

The Math Balance is a simple T-shaped balance with weights that helps students solve equations and visually demonstrates number values. It allows children to hang weights under any number (1-10) on both sides of the balance. The following illustrates some of the best examples for using the Math Balance.

### Greater than / Less than

5>3 / 3<5

Hang one weight under number 5 on the left side and another weight under number 3 on the right side. The student can see the difference between number 5 and number 3. That is, 5 is greater than 3, or 3 is less than 5.



# Addition

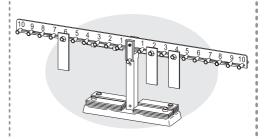
# 5+3=8

Hang one weight under the 3 and one under the 5 on the left side. Now give one weight to the student, and let the student figure out where to hang the weight on the right side so the sides are equal.

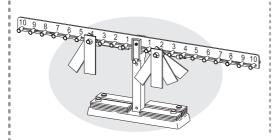
### Subtraction

# 6-2=4

Hang one weight under the 6 on the left side and one weight under the 2 on the right side. Give one weight to the student, and let the student figure out where to hang the weight on the right side to make it balance.



### Multiplication



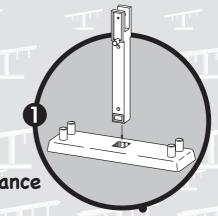
## 4x2=2x4

Take two weights and hang both of them under number 4 on the left hand side. Take four more weights and hang them under number 2 on the right side. Then students can observe the equation.

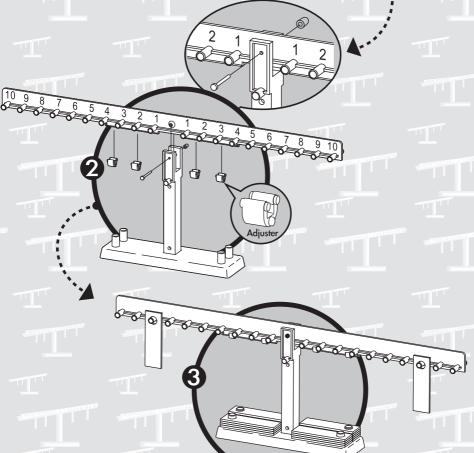
# 4x2=8

Take 2 weights and hang them under number 4 on the left side. Give one weight to the student, and let the student figure out where to hang the weight on the right side.





How to assemble the balance



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