



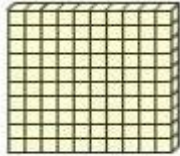
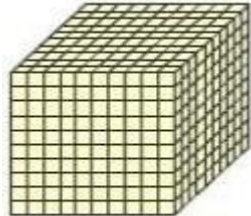
Base Ten Blocks

Why use Base Ten Blocks

Base 10 refers to the numbering system in common use. Take a number like 475, base ten refers to the position, the 5 is in the one's place, the 7 is in the ten's place and the 4 is in the hundred's place. Each number is 10 times the value to the right of it, hence the term base ten. The numbers continue indefinitely in this pattern: 100000,10000,1000,100,10,1 0.1, 0.01, 0.001, 0.0001, 0.00001

Research tell educators, the critical and essential need for children to develop hands-on experiences in Math. Since our number system is based upon the Base Ten system it only makes sense to provide children with a concrete models to explore, to manipulate, to find relationships and to serve as a model for addition, subtraction, multiplication, division of whole numbers as well as decimal numbers.

How to use Base Ten Blocks

 unit	This is the 1 block or unit block
 rod	This is the 10 block. It is equal to 10 units. It is also called a rod or long.
 flat	This is the 100 block and is equal to 100 units. It is also called a flat
 1000 block	This is the 1,000 block. It is equal to 1,000 units.

Resources to Help use Base Ten Blocks

Check out these resources to get a glimpse into how base ten blocks can be used.

You Tube has several examples of how to use base ten blocks

Creating Numbers

<http://www.youtube.com/watch?v=Q1pPEiPBwYI>

Adding Numbers with Regrouping

<http://www.youtube.com/watch?v=Y7qkyMyanjU>

Subtraction with Regrouping

<http://www.youtube.com/watch?v=znEkj0vIopI>

2 Digit Multiplication

<http://www.youtube.com/watch?v=XUwg4V6wbdk>

Dividing

<http://www.youtube.com/watch?v=j3cOmLFnMYU>

Decimal Place Value

<http://illuminations.nctm.org/Lesson.aspx?id=3655>

Multiplying Decimal Numbers

<http://illuminations.nctm.org/Lesson.aspx?id=3766>