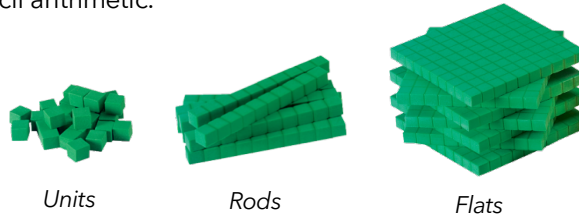


Base Ten Blocks

Base Ten Blocks provide a 3-dimensional model of the Base Ten number system. They help physically represent concepts of place value, addition, subtraction, multiplication, and division of whole numbers. The blocks serve as visual models for understanding the processes your child uses when doing paper-and-pencil arithmetic.



Beginning With Base Ten Blocks

Overview: In this activity, your child practices trading units for rods, rods for flats, etc.

Materials: Base Ten Blocks, 3 pieces of blank paper

- ❖ Take 3 pieces of paper, labeling them "1s", "10s", and "100s".
- ❖ Have your child place 1 unit at a time on the page labeled "1s" counting aloud for each unit.
- ❖ Once there are 10 units on that page trade them in for a rod and place the rod on the page labeled "10s".
- ❖ Continue placing units on the 1s page counting aloud (11, 12, 13, ...19, 20), trading 10 units for a rod once there are 10 units on the 1s page. Keep going. (21, 22, 23, ...29, 30, trade)
- ❖ When there are 10 rods on the page labeled "10s" (96, 97, 98, 99, 100) trade the rods for a flat and put the flat on the page labeled "100s." Keep going to 999.

Sum It Up!

Overview: In this activity, your child uses Base Ten Blocks to model a number as the sum of 2 addends. Then they find ways to model the same number with different pairs of addends.

Materials: Base Ten Blocks, Sum it Up! Work Mat (see next page), 2 dice

- ❖ Make a copy of the Sum It Up! Work Mat so you can enjoy the activity more than once.
- ❖ Have your child roll the dice. Use the 2 numbers rolled to make a number using the Base Ten Blocks. If you roll a 3 and a 4, decide if you want 3 rods and 4 units or 4 rods and 3 units.
- ❖ Put the Base Ten Blocks at the top of the Sum It Up! Work Mat.
- ❖ Write the number on the worksheet as a sum (43).
- ❖ Rearrange the Base Ten Blocks 6 or more different ways to make number sentences that equal your sum. (40 + 3, 20 + 23, etc.) Remember you can trade 10 units for a rod or 1 rod for 10 units.

SUM IT UP!

Put your blocks here:

Your Sum: _____

1.

| | |
|--|--|
| | |
|--|--|

_____ + _____ = _____

2.

| | |
|--|--|
| | |
|--|--|

_____ + _____ = _____

3.

| | |
|--|--|
| | |
|--|--|

_____ + _____ = _____

4.

| | |
|--|--|
| | |
|--|--|

_____ + _____ = _____

5.

| | |
|--|--|
| | |
|--|--|

_____ + _____ = _____

6.

| | |
|--|--|
| | |
|--|--|

_____ + _____ = _____

