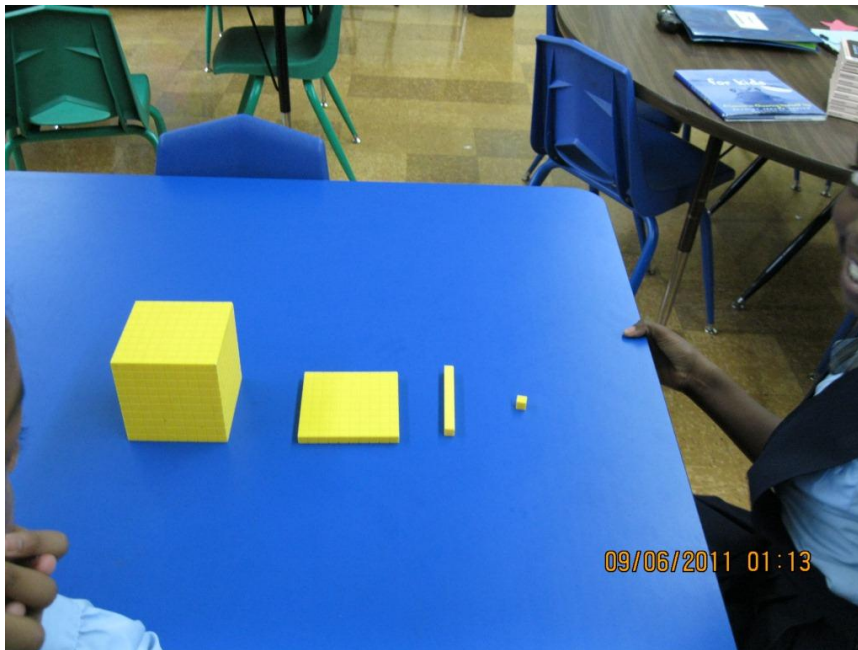


Class-wide Place Value Project

One way to help students visualize how each value place is ten times the place to the right is to make this project.

1. Start with Ones place. Place a 1 cm. cube in one's place.
2. Place a base ten stick (long) of 10 centimeter cubes in ten's place.
3. Place a base ten flat of 100 centimeter cubes in hundred's place.
4. Place a base ten cube of 1000 centimeter cubes in thousand's place.

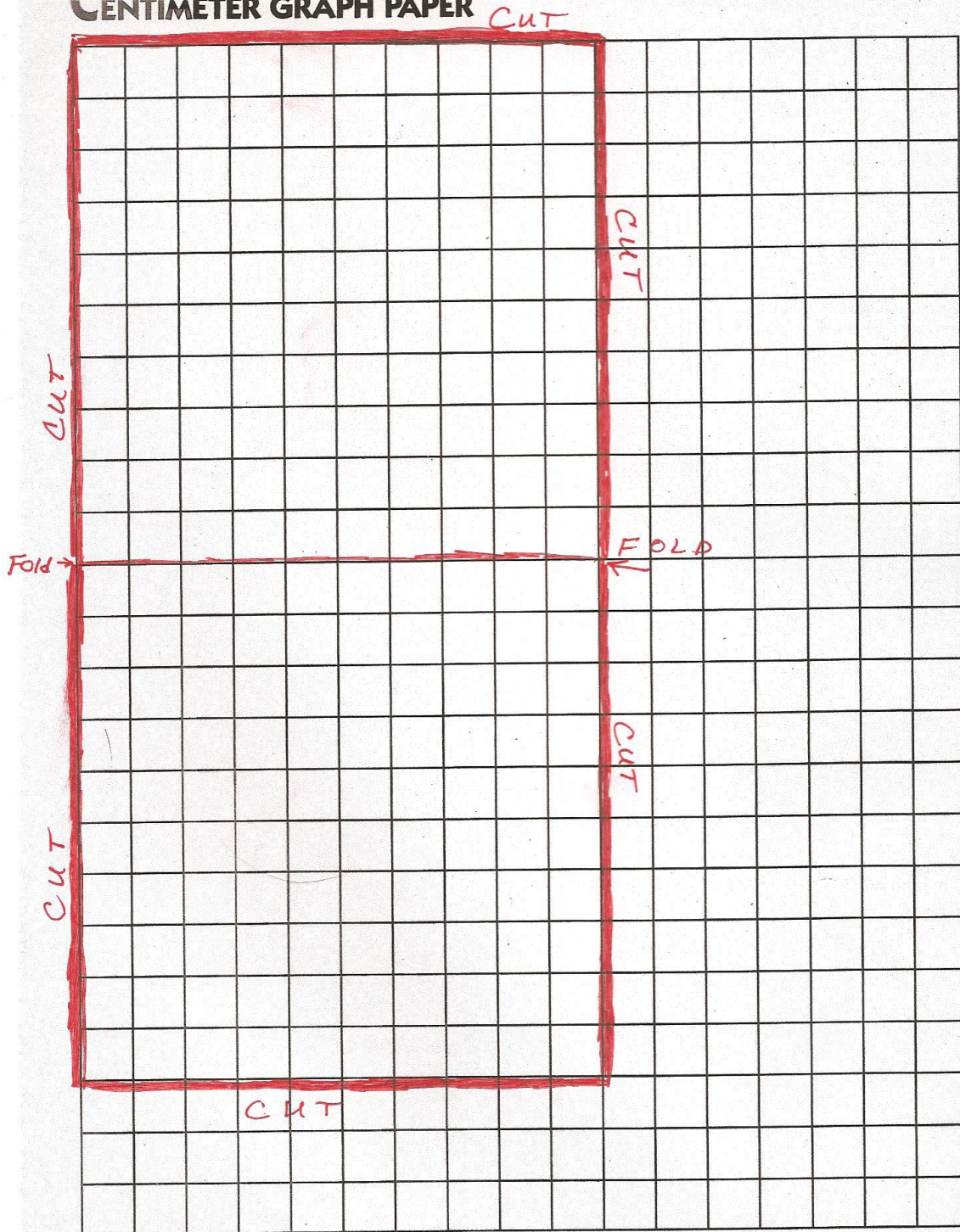


5. Have the students make 3-D cubes to match the 1000 centimeter cube. Each student will cut out 3 sets of 2 hundred square cm. and fold on the middle fold line. The students will tape the 3 sets of 2 flats together to make a 1000 cubic cm. block.

Name _____

TEACHER AID-4

CENTIMETER GRAPH PAPER



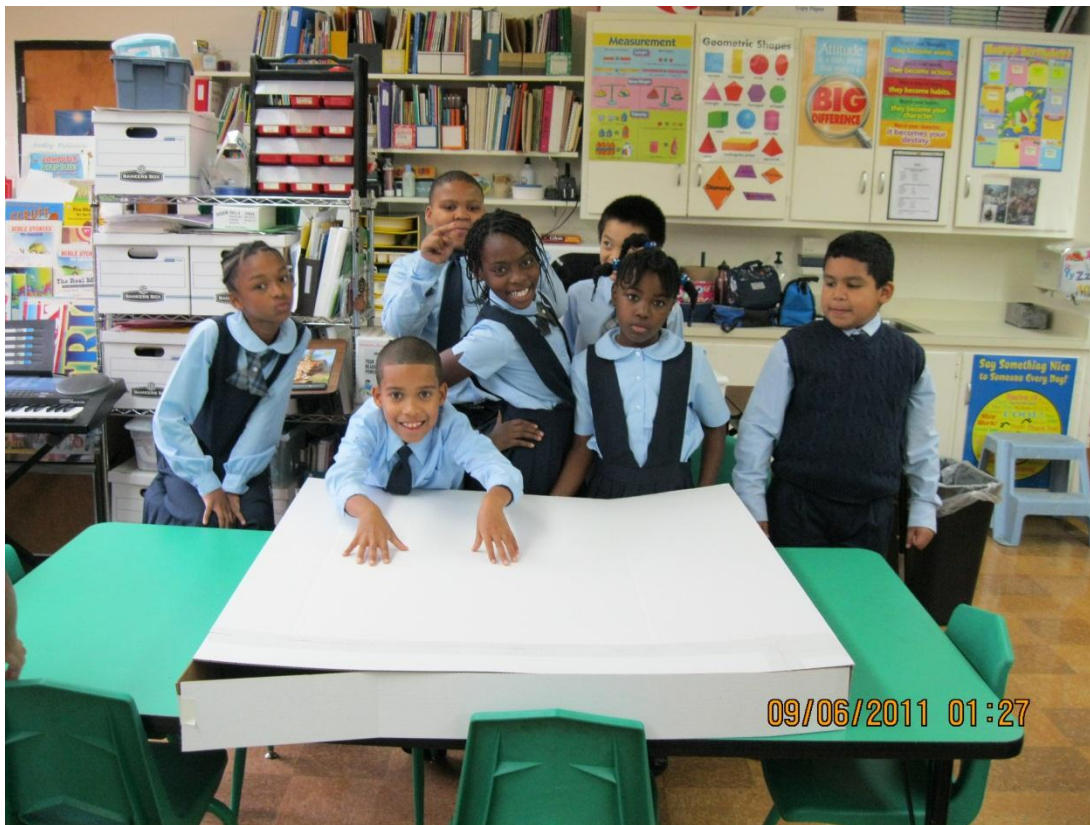
MACMILLAN/MCGRAW-HILL

Macmillan/McGraw-Hill, MATHEMATICS IN ACTION
GRADE 1

6. Place 10 of them in a row. Or make 4 cardboard strips of 100 cm. x 10 cm. and build into the equivalent of 10,000 cubic centimeters.



7. Use cardboard and measure 100 cm. x 100 cm. and support it with 1000 cubic cm. cubes or 4 strips of cardboard of 100 cm. x 10 cm. This will represent 100,000 centimeter cubes.



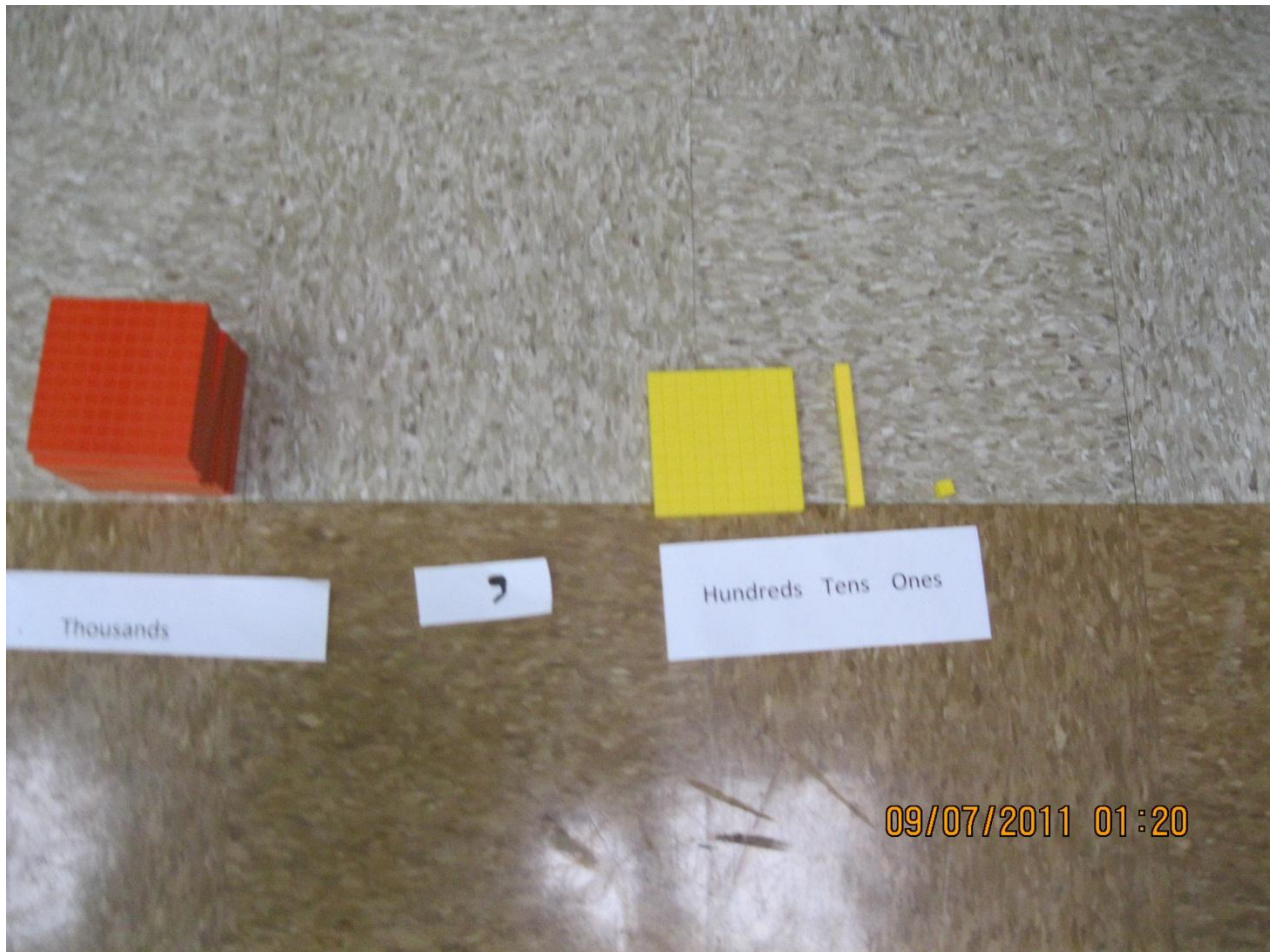
8. Cut 6 cardboard pieces of 100 cm. x 100 cm. and make into a cube which would be 1,000,000 cubic centimeters.





Your students may enjoy seeing how many students will fit into the space of one million cubic centimeters.

The completed project could be used for a demonstration for the whole school, at an Open House or at a Home & School Meeting.

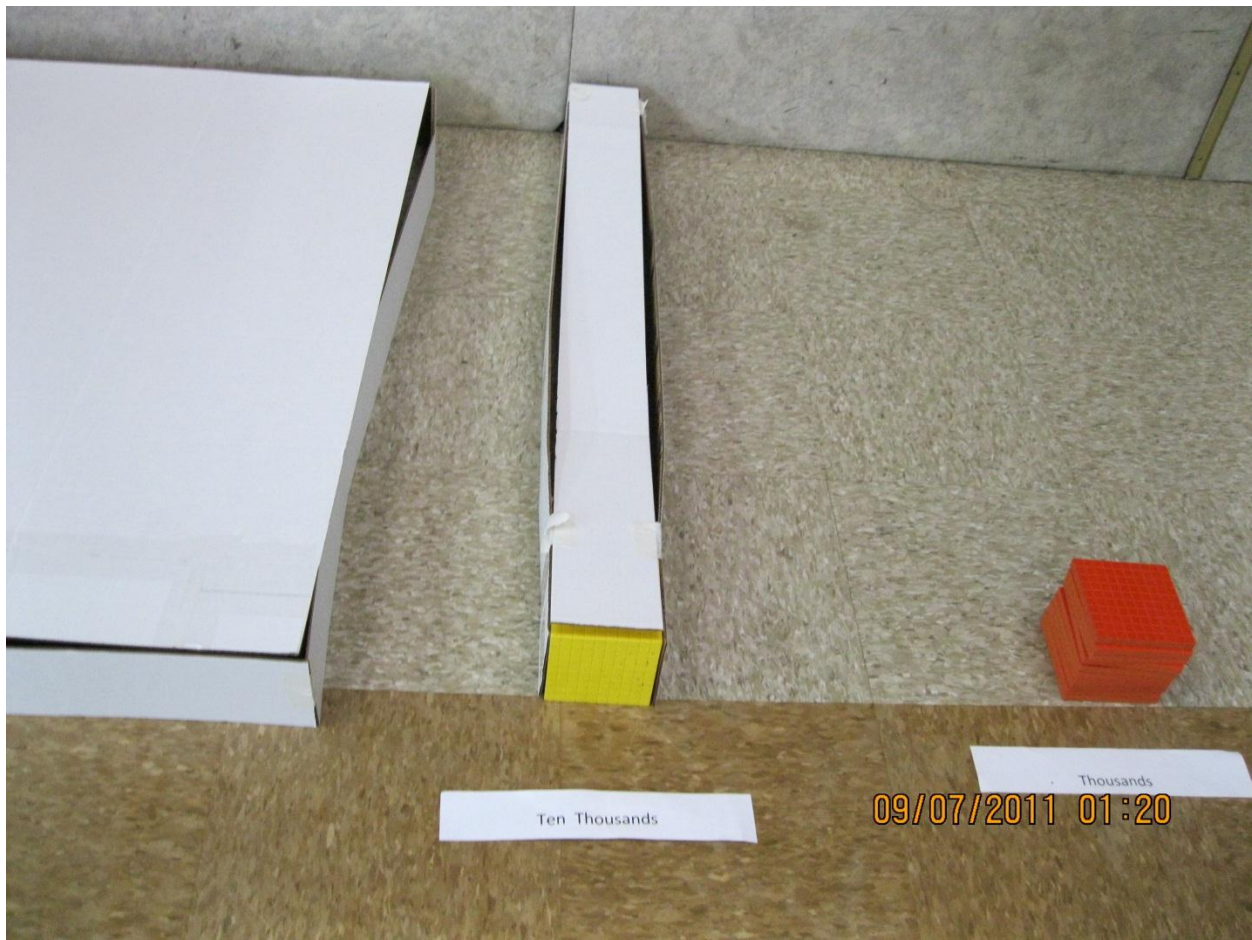


The ONES' Period

**This shows ones' place,
1 cubic centimeter**

**tens' place,
10 cubic centimeters**

**and hundreds' place
100 cubic centimeters
from right to left with the thousands comma.**



The THOUSANDS' Period

**Again from right to left, Thousands' place,
1,000 cubic cm.**

**Ten Thousands' place,
10,000 cubic cm.
and part of Hundred Thousands' place.
100,000 cubic cm.**



**100,000 cubic centimeters
Hundred Thousands' place with the
Millions comma to the left.**



Millions' Place
1,000,000 cubic centimeters