

Name _____

Model Place-Value Relationships

I Can describe the value of a digit.

UNLOCK the Problem

Activity Build numbers through 10,000.**Materials** ■ base-ten blocks

1	10	100	1,000	10,000
				?
cube	long	flat	cube	
1	10 ones	_____ tens	_____ hundreds	_____ thousands

A small cube represents 1.

_____ small cubes make a long. The long represents _____.

_____ longs make a flat. The flat represents _____.

_____ flats make a large cube. The large cube represents _____.

1. Describe a pattern in the shapes of the models. What will be the shape of the model for 10,000?

2. Describe a pattern you see in the sizes of the models. How will the size of the model for 100,000 compare to the size of the model for 10,000?

Math Talk

Use appropriate tools strategically.

What other type of base-ten block could you use to model 100,000?