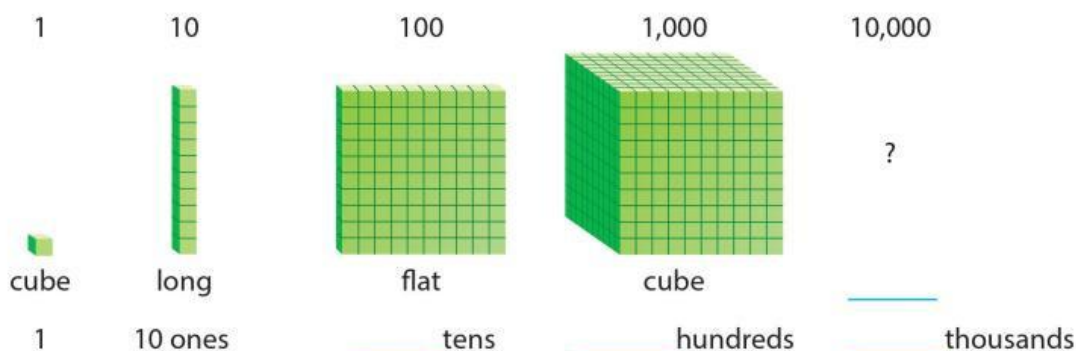


Name \_\_\_\_\_

# 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

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?

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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?

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**Math Talk**

Use appropriate tools strategically.

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