

Race to the Top! Worksheet

Materials

75 Kapla® blocks test weight measuring tape

Design

1. In the space below, draw a picture of the weight-bearing, free-standing tower you want to build. Label the horizontal members. Label the vertical members.

2. What shapes are you using in your design?

3. Your tower will most-likely use repeating shapes for each level.
From your design, how many blocks will you use per level?

4. Since you have only 75 blocks, how many levels can you make?

Name: _____ Date: _____ Class: _____

Redesign

5. In the space below, draw a picture of your final design below.
Label the horizontal and vertical members.

6. How many total blocks did you use in your design? _____

7. What was your tower's height in centimeters? _____

8. How many blocks did you use per level? _____

Number of levels? _____

9. Did you make changes to your original design?
Explain why and how that affected your new tower.
