

# Tower Challenge

## THINK:

Can you build an 18-inches tall structure to support the water tower that can withstand an earthquake and cost the least amount of money? Each block is valued at \$100.

## BUILD:

You will be creating two different designs to test on the shake table. Build your first design.

## TEST:

Press the start button to shake your tower and then fill in the table below.

Repeat the process by building your second design. Press the start button to shake your tower and then fill in the table below.

	18" tall?	Withstand the earthquake?	Number of bricks	Cost for Design (# of bricks x \$100)
Design 1	Yes or No	Yes or No		
Design 2	Yes or No	Yes or No		

Based on the test results, which design would you recommend to your client? Why?

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Data Recording

# Engineer It

Grades 6-8

**Attention Engineers!** Test the exhibits inside Engineer It! and make your recommendations for the best designs. Remember, good engineers test multiple designs before they begin construction. Good luck and happy building!



