

Bridge Builder Math & STEM Activity Sheet

Inspired by *Can Math Build a Bridge?* — Bella, Timmy, Max, Lily, and Professor Projecko

1 • Count & Calculate

There are 24 building sticks. Bella makes **4 equal groups**. Count each group.



$24 \div 4 = \underline{\quad}$ $4 \times \underline{\quad} = 24$

2 • Strong Shapes

A rectangle can wobble when pushed. A triangle holds its shape. Which one helps the bridge?



Circle one: ☐ RECTANGLE ☐ TRIANGLE

Why? _____

3 • Design Your Bridge

Draw a bridge that uses triangles. Add cross-bracing to make it strong.



4 • Test, Observe, Improve

Predict, test, and record what happens. Then improve your design.

Test	Load used	What happened?	My improvement
1	One pebble		
2	Two pebbles		
3	Firefly basket		

Builder's Reflection

What would you build differently?

Today's Discovery

Equal groups help us calculate.
Triangles help structures stay strong.

Ask a grown-up: "What could we test next?"