

# Building a Bridge Activity Worksheet

Name \_\_\_\_\_

## I. Bridge Requirements:

Length of the bridge – 30 cm long

Width of the bridge or roadbed – 5 cm wide

Height of the bridge or clearance – 10 cm tall

Must be built with wooden stirrers and glue; no other materials can be added.

Cost per stirrer is \$10

II. Total Cost of the bridge = \_\_\_\_\_

III. How much the bridge held = \_\_\_\_\_ rolls of pennies

## IV. Daily Building Goals:

These are the parts you wish to glue together on the First day:

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These are the parts you wish to finish on the Second day:

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Sketch of the \_\_\_\_\_ (your name) Bridge

Draw a model below of the bridge you would like to construct. Include any wooden stirrers to be used as part of the building process in the sketch. It is suggested to use a pencil to allow for changes. Keep in mind, it is better to modify your sketch rather than make mistakes with actual wooden stirrers. More wooden stirrers will increase the overall cost of the bridge. As your bridge develops and you modify your ideas, make any changes to your sketch as needed.