



## Circle Partners

### Educational and Enrichment Resources for Remote Learning

Children's Museum of Cleveland

**Title:** Lego Math

**Topic:** Math

**Target audience:** (Check one)

Individual learners: grade level(s): Kindergarten, Grade 1

Caregivers/families/parents

2-3 sentence overview:

Using those amazing legos or duplos in your house to help create towers, work on fraction problems, or even creating beautiful work of art!

**Activity Type:** (Check all that apply)

Indoor

Outdoor

Physical Activity

Creative Activity

Research Activity

**Technology levels:**

For those with full online capabilities, access the following links:

[Click or tap here to enter text.](#)

For those who can read resources online or download PDFs:

[Click or tap here to enter text.](#)

For those who have limited online capabilities, please see attached

[Click or tap here to enter text.](#)

**Learning extensions:** Please include any other books, videos or other resources.

[Click or tap here to enter text.](#)

Practicing math skills like **spatial awareness** and **geometry** with Legos: Using those amazing legos or duplos in your house to help create towers, work on fraction problems, or even creating beautiful work of art!



Ohio academic standards

K.G.5 Model shapes in the world by building shapes from components, e.g., sticks and clay balls, and drawing shapes.

1.G.1 Distinguish between defining attributes, e.g., triangles are closed and three-sided, versus non-defining attributes, e.g., color, orientation, overall size; build and draw shapes that possess defining attributes.

Materials

Lego or Duplo bricks around 15-30

The worksheet below or design your own

Give your child a pile of Lego or Duplo blocks to work with. If your child is an early reader they will be able to work through the worksheet on their own. Otherwise help prompt your child to meet each of the challenges. Have your child draw a picture of their creation below each of the prompts.

Extend the lesson: Can your child use bricks to spell their name or initials.

Can they create a different pattern than their first one. Can they build a triangle, how about a square.



What is the **tallest** tower you can build with all of your bricks?

What is the **shortest** tower you can build with all of your bricks?

Can you make a letter of the alphabet with all your bricks?

Can you make a number with all your bricks?

Can you make a pattern with your bricks?