

Dear Parents and Guardians,

Each week we would love for your child to complete one of these puzzles. They need to submit their answers by Friday. It is OK if they are incorrect, the idea is to help students persevere and try new and more challenging puzzles.

Every child that submits an answer will receive a certificate they can show to their teacher next year. We hope this is fun and engaging, and that you have great conversations about how they approached solving the problem.

On Saturday we will post the solutions at www.crr.math.arizona on the Remote Learning Tab.

Week 8 Puzzle



Submit your solution to:

<https://forms.gle/4mdKKW2FBM1otGWD9>

Problem of the Week: **Mobile Math**

Imagine a hanging sculpture made with shapes, strings, and beams. The beams and strings are weightless, but the shapes have weight. Your goal is to figure out the weight that the shapes must be to make the mobile balance.

What other values would make sense for the weight of this entire mobile? Why would those make sense?

