

# Sort it Out!

Mrs. O's coins are all mixed up! She needs them separated easily in order to use the coins for different things in class. Can you help design a sorting mechanism that will make the job easier?

What do we know about coins that might help us separate them?

Materials:

- Cups
- Construction Paper
- Cardboard/Cardstock
- Cardboard tubes
- Foam board
- String
- Felt
- Tape
- Scissors

Using the materials, draw a sketch of what you think the sorting mechanism might look like:

Now you will work with your team to come up with a group design. This can be one person's design, OR parts of everyone's design—maybe someone thought of an idea that you didn't!

Draw your group design of the sorting mechanism here: (Make sure to label all the parts!) Be sure to show where and how the coins need to be put into the mechanism!

After testing your design, was your design successful in separating the coins? If not, why not?

Would you change anything about your design? What is it? Why?