

# Shape Sorting

## Summary

This is a math task. It relates to Standard 1.G.1 in the 2010 Utah Core Standards.

## Main Core Tie

Mathematics Grade 1

[Strand: GEOMETRY \(1.G.\) Standard 1.G.1](#)

## Materials

Task Sheet TTLP Sheet for Lesson Plan

## Background for Teachers

See TTLP and Curriculum Guide 1.G.1

## Student Prior Knowledge

See Critical Background Knowledge in the Curriculum Guide for 1.G.1.

## Intended Learning Outcomes

Mathematical Practices 1, ,3, 4, 6, and 7 are likely to be used in this task.

## Instructional Procedures

**LAUNCH:** There is a giant cookie factory where all cookies are sorted by their attributes and sold in boxes. One day, the sorting machine breaks and it is your job to help the factory sort the cookies into their boxes to be sent to the store.

You will be working with a partner. When you have sorted all the cookies, draw a picture of the cookies in their boxes and write a sentence that describes why those cookies belong in the same box. (The sentences may be closed if needed.)

**EXPLORE:** Students work with a partner to determine how to sort the cookies. Once they determine the attributes to sort by they will then record their sort on a paper. After a group has finished their cookie sort they should find another group to discuss the ways they each sorted their cookies.

**DISCUSS:** After all the cookies have been sorted, have all students walk around the class to see the mats. Have selected students share their solutions.

## Strategies for Diverse Learners

- Careful partnering of students
- Fewer shapes to sort
- Use of commonly known shapes
- A sorting mat with only 2 boxes

## Extensions

- Add more shapes
- Add complex shapes
- Sort by multiple attributes

## Bibliography

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Authors

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