

Dear parent or guardian: This is a summary of the key ideas your child is learning in mathematics. You can use this summary as background as you support your child's work. Some suggestions for simple activities you can do with your child are also included.

1 Sorting and Classifying Data

What Is Sorting?

You sort when you organize things into different groups. For example, if you are looking at clothes, you might sort the clothes into shirts and other kinds of clothes. You can use a sorting circle to show your sorting.



Items that fit the sorting rule are shown inside the sorting circle, and items that do not fit the rule are shown outside the circle.

How Can You Use Two Sorting Rules at the Same Time?

Objects can be sorted in different ways. Sometimes, two sorting rules can be used at the same time.

For example, shapes can be sorted by whether they are round and by whether they are blue. Some shapes are round and blue, some are just round, some are just blue, and some are neither round nor blue.

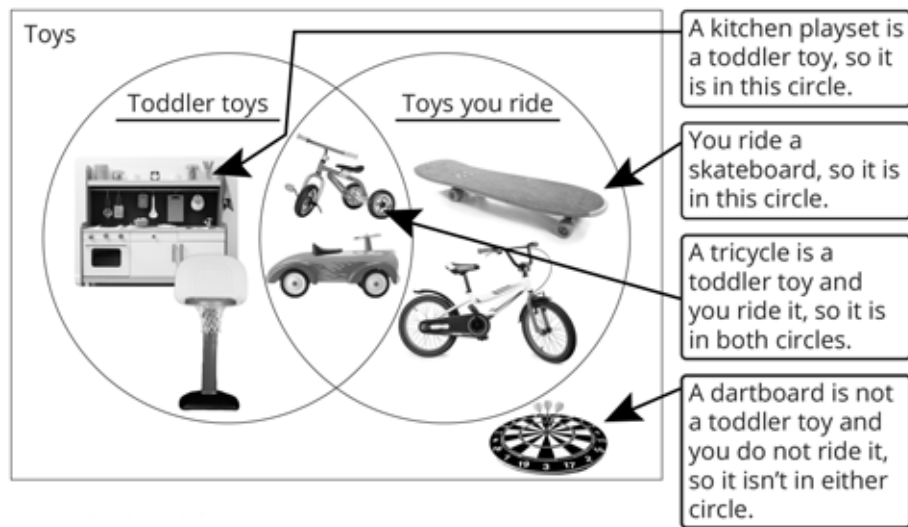
How Can You Show the Results of Your Sorting?

When you sort with two sorting rules, you can use a Venn diagram with two overlapping circles to help show what you did.

There are 4 separate sections in a Venn diagram with two overlapping circles:

- Things that fit one rule but not the other go inside one circle only.
- Things that fit both rules go inside the overlapping part of the circles.
- Things that don't fit either rule go outside the circles.

For example, in the Venn diagram below, some toys have been sorted by whether they are used by toddlers and whether they are toys you ride.



It is okay for a Venn diagram to have an empty section. For example, if you use a Venn diagram to sort animals and plants, there would be nothing in the overlapping section.

Helping Your Child

Encourage your child to tell you different ways you might sort items found at home, such as clothing or food. You can even have your child consider more than one idea at a time, for example, whether the food goes into the fridge and also whether you bought it at the grocery store.

Definitions

sort: to put together things that belong with one another for some reason

sorting rule: the rule you use to put certain items together when you sort them

Venn diagram: a diagram, often one or more circles, showing how a set of items might be sorted by different attributes; when circles overlap, items belong in one of the two circles, in the overlapping section, or outside both circles