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Hannah loves to collect things and every collection is her favorite. Hannah doesn't know if she can pick just one collection to bring with her to school. Explore Hannah's collections and find out how she decides to show off her collections at school.

**Ages:** 2 to 6 years

**Interest Level:**

Toddler to 1st Grade

**ATOS Reading Level:**

3.5

**Lexile:** AD630L

**ISBN:** 9780887766909

**Copyright:** 2004

**Genre:** Fiction

# Hannah's Collection

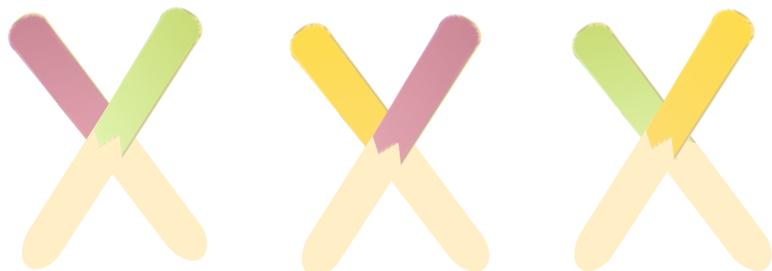
**Which collection will Hannah show her class?**

**Topics:** sorting, classifying, counting, number recognition, patterns

**Math Connections:** Use *Hannah's Collections* to explore sorting with your child. Sorting objects begins with learning about attributes. An attribute is a property or trait of an object. For example, the toy car is red and small while the block is hard and brown. Talk with your child about what an attribute is and ask them to identify the attributes of some of their toys. Did they find that some of their toys share a similar attribute? Identifying one attribute that a group of objects share allows a child to begin to sort objects. Ask them to sort their toys into groups based on one shared attribute. For example, one group could be for toys that are soft and another could be for toys that are hard. After they have made a few piles of toys with similar attributes, ask them to count and see how many items are in each group.

Once your child is comfortable sorting by one attribute they can move on to sorting by two or more attributes. This gives them the opportunity to explore sorting and classifying greater numbers of objects in their everyday environment. Encourage them to sort toys or other objects by two shared attributes, each group of toys has two things in common (this group of objects is red and soft and this group of objects is blue and square shaped). Ask them to regroup the items based on three or four attributes. Explore how many different groups they can make. Explore objects that can fit into more than one group. Make three piles, for example, a pile for objects that are blue, a pile for objects that are red, and a pile for objects that are both blue and red. This can also be done with free and found objects, such as twigs, leaves, and twigs with leaves still attached.

Have fun sorting. Use different containers for sorting. For example, a muffin tin can be a great container for sorting objects. Assign each cup a different attribute and find objects that have that property or trait to put into the cup.



**Extension Questions:**

1. What is a collection? Do you have one? How could you sort it? What other collections have you seen?
2. What other ways can Hannah sort her collections?
3. How would you sort 10 rocks? 15 buttons? 200 popsicle sticks?
4. What are some ways you can sort your clothes?

<b>Vocabulary for Building Math Concepts</b>	5, 6, 7, 8, 9, 10, 14, 19, 43, 153, all, counted, few, first, many, more, one, patterns, row, shape, size, smallest, sorted, tallest, triangles, two dozen
<b>Vocabulary for Extending Math Concepts</b>	attribute, classify
<b>Vocabulary for Reading Comprehension</b>	collection, sculpture, worried

**Early Math Project Resources:**

Collection Collage: <https://bit.ly/3cwe2Wj> (English)

Coming Soon in Spanish!

**Online Resources:**

Information and Activity Ideas about Sorting: <https://stayathomeeducator.com/the-benefits-of-sorting-activities/>

Free Classifying and Sorting activities: <https://www.education.com/activity/sorting-and-categorizing/>

**Spanish Title:** Not available

**Related Books:** *A Pair of Socks* by Stuart J. Murphy, *Sam Sorts* by Marthe Jocelyn, *Sort it Out* by Barbara Mariconda

**Find this book at your local library:** <https://www.worldcat.org/title/hannahs-collections/oclc/55496434?referer=di&ht=edition>



## EARLY MATH PROJECT LITERATURE REVIEW

Age Level	Related Preschool Foundations and CA State Standards
Infant/ Toddler	<b>Infant Toddler Foundations</b> <a href="https://bit.ly/3ozQios">https://bit.ly/3ozQios</a>
Infant/Toddler	<b>Classification</b> The developing ability to group, sort, categorize, connect, and have expectations of objects and people according to their attributes.
Preschool/ TK	<b>Preschool Learning Foundations</b> <a href="https://bit.ly/34vEeN3">https://bit.ly/34vEeN3</a>
Preschool/TK	<b>Algebra and Functions 1.0</b> Children begin to sort and classify objects in their everyday environment, <b>1.1</b> Sort and classify objects by one or more attributes, into two or more groups, with increasing accuracy.
Grades K-3	<b>California Common Core State Math Standards</b> <a href="https://bit.ly/31No7bP">https://bit.ly/31No7bP</a>
Kindergarten	<b>Measurement and Data K.MD.3</b> Classify objects and count the number of objects in each category.
Grade 1	<b>Number and Operations in Base Ten 1.NBT.1</b> Extend the counting sequence.

