

Hannah and the Seven Dresses

Data Management & Probability

- Data management is knowing how to gather, arrange, compare, and explain information

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- Probability is the ability to use prior knowledge to make good choices

By three years many children:

- Sort objects into groups, count and use words such as more, same or less to make comparisons
- Use simple pictographs to collect information about such things as monthly weather patterns and use words that predict ☐ might, lucky, probably

By six years many children:

- Organize and display data using simple tables and bar graphs
- Begin to use a problem-solving strategy

You can help children to:

- Sort and organize objects by colour, size or shape
- Use different types of pictographs to show more, less and the same

Hannah and the Seven Dresses shows children how to make choices.



Story time activities to use with *Hannah and the Seven Dresses*:

- Read the book through once with your child, pausing to explain any new words. Before you read it again, talk to your child about the days of the week. On the second page, ask your child to point to the dresses on the rack and say which one is worn for each day.
- Count the dresses that have a flower pattern and then those that have a geometric pattern. Does Hannah have more flowery dresses than checked ones?
- One of the dresses has buttons on the front. Ask your child to name the different shapes of buttons. Count each shape and compare quantities of each one. Does the elephant have more, the same or less buttons on her dress than Hannah?
- Ask if wearing all seven dresses on Hannah's birthday was a good choice? What helped Hannah to make up her mind?

At Home

Monday's Child

Monday's child is fair of face,
Tuesday's child is full of grace,
Wednesday's child is full of woe,
Thursday's child has far to go,
Friday's child is loving and giving,
Saturday's child works hard for its living
But the child that's born on the Sabbath day
Is bonny and blithe and good and gay.



Let your children help pair up the socks and sort them according to which member of the family owns them. Who has the most socks to put away?

Ask children to sort knives and forks, the groceries or other household items.

Make a chart for the month. Have your children draw a picture to record the weather each day. At the end of the month count how many sunny days, rainy days or cloudy days there have been.

What is the likelihood there will be the same, less or more sunny days next month?



With your children, write the names of the different birds that visit your yard. Make a chart to record how many of each kind of bird visits in one week.



Early math:

1. *Is important to the development of logical thinking*
2. *Helps children to predict based on their observations*

Five areas of mathematical concepts are called **strands** by the Ontario Ministry of Education.

1. Numbers and numeracy
2. Spatial awareness and geometry
3. Measurement
4. Patterning and algebra
5. Data management and probability



- Family Literacy Centre
- Early Literacy Specialists



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At Childcare

For Toddlers

- Make a simple two-column chart with the appropriate number of rows for the number of children in the class. Call the chart “My Favourite Cuddly Toy”
The children answer Yes or No to the question, “Do you have a favourite cuddly toy?”
- Chart their answers on sticky notes and place them in the appropriate column. Talk about which column has more stickers on it and what that means.

My Favourite Cuddly Toy		
Name	Yes	No
Jessie		
Dwight		
Mary		
Cory		
Taylor		
McKenzie		

Preschoolers

- Give each child a selection of shapes and some sticky-backed paper. Ask them to make a picture using the shapes.
- Make a shape graph with one of each shape down the left-hand side.
- Ask the children in turn which shapes they used to make their picture and record the information on the graph. When everyone has had their turn, add up how many of each shape was used and compare the results. Ask the children to tell you which was the most popular and which the least popular.



Great books that feature data management and probability:

Six Dinner Sid, Inga Moore

The Very Hungry Caterpillar, Eric Carle

Walking Through The Jungle, Julie Lacombe

Probably Pistachio (Math Start 2), Stuart J Murphy

Websites that are helpful:

www.bbc.co.uk/schools/ks2bitesize/maths

www.preschooleducation.com/mzoo.shtml





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