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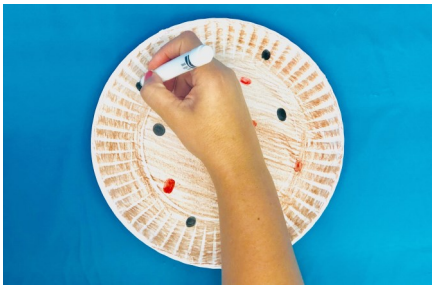
Math Rules!

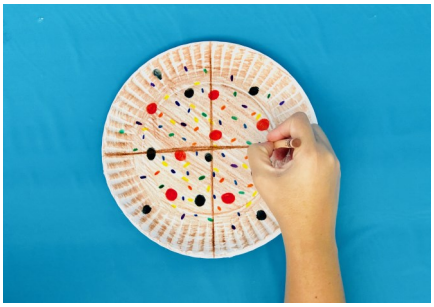
Cookie Solution

With the help of mathematics we can find a way to share a cookie among family members.

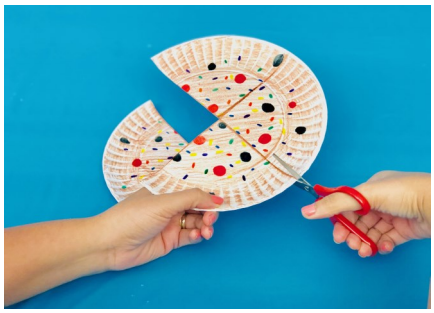
What to do



1. Make a large cookie with a paper plate and use crayons or markers to decorate it.



2. The cookie is for sharing with your family. How many pieces would you need to make? What should you do? Cut it into squares, circles, rectangles, or triangles?



3. Cut out the cookie in the shape that you considered would be the best way to divide the cookie in equal parts.

Did You Know? Children need to be exposed to everyday situations where they can develop their problem solving skills and build their logical-mathematical thinking. Dividing things into equal parts can look like a big challenge for small kids but when we ask them to split a cookie in fair shares, they are beginning to learn division concepts with a concrete example and a real life situation.

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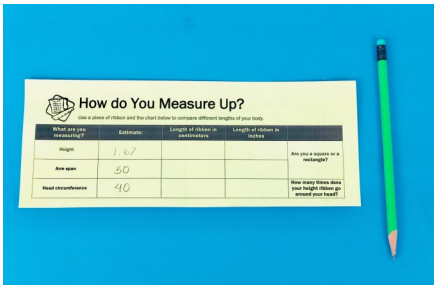
How Do You Measure Up?

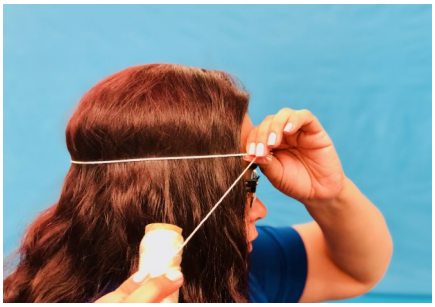
Math Rules!

Compare lengths of different parts of your body by using a nonstandard tool for measuring.

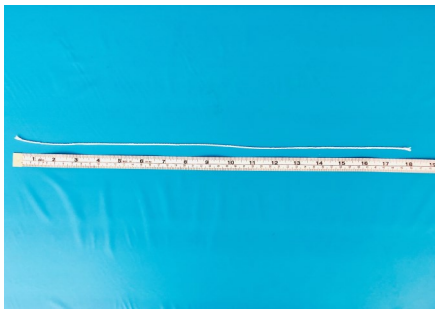
What to do



1. Make estimations about the lengths of your height, arm span and head circumference and write them down in the chart.



2. Use cord to measure the lengths of these body parts and cut it according to the length of the measured part.



3. Use measuring tape to measure the pieces of the cords and compare the results with your estimations.

Did You Know?

The process of measurement can be taught at an early age using nonstandard tools like cords or ribbons. By using non-standard units like hand span, you can teach the basic concept of measurement that will form the foundation for understanding the use of conventional tools such as: rulers, measuring tapes, yard sticks or meter sticks. This can work as an introduction for learning standard units like centimeters and meters.

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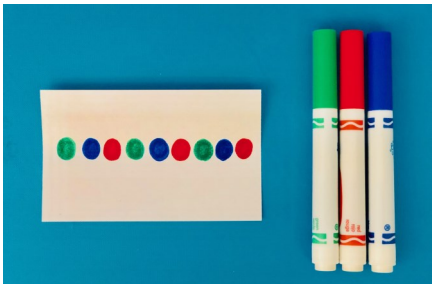
Math Rules!

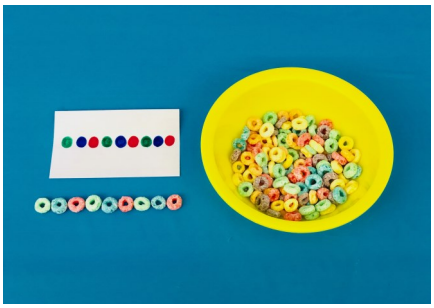
Pattern Bracelets

Make a fun ornament with cereal for practicing color pattern and counting.

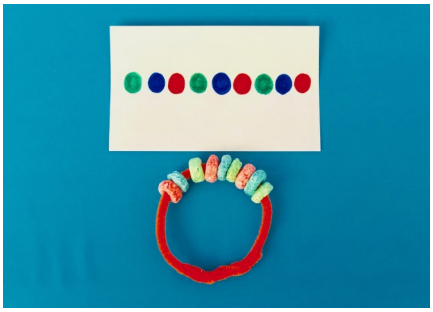
What to do



1. Using markers draw a dot or ring pattern on your index card.



2. Choose the same number and color of cereal to duplicate the pattern you made on the card.



3. Make a bracelet using cereal and pipe cleaners.

Did You Know?

The world is made up of patterns, for example, zebras has stripes black and white, and patterned all over. Many patterns can be found in the fabric used to create clothing. Stripes, prints, and plaids often repeat themselves. A pattern is only a pattern if it is repeated al least twice. Making patterns and classifying comes before learning about numeration. Understanding patterns help prepare children for learning complex number concepts and mathematical operations.

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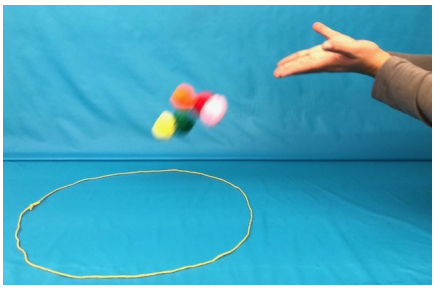
Pom-Pom Toss

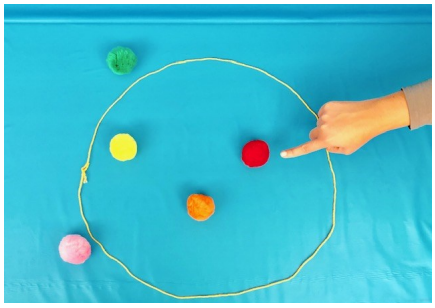
Math Rules!

Play a game that practices recording skills and see how the numbers 0 through 5 are related.

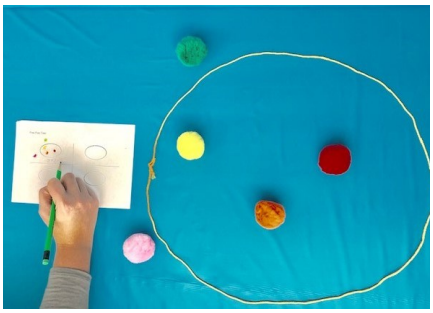
What to do



1. Pick out five pom-poms and toss them all at once into the circle.



2. Count how many pom-poms landed inside the circle and outside the circle.



3. Record the results: Draw where each pom-pom has landed on your record sheet. Repeat steps 1 and 2 until your record sheet is full.

Did You Know?

Knowing the relationships between numbers helps with mental calculations needed in everyday activities like shopping and figuring out quantities needed for work, home or play. Counting and recognizing numbers are some of the first early math skills your child needs to learn. Counting allows children to explore important concepts like how many, more, less, and equal.

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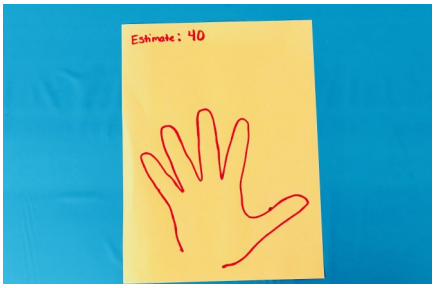
Math Rules!

The Right Fit

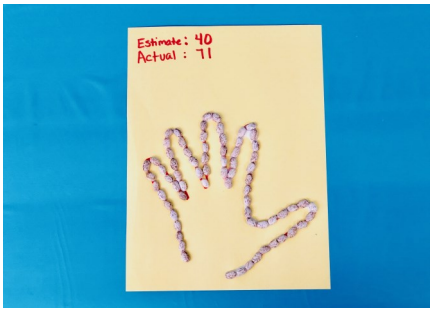
Estimate the number of beans it will take to cover your traced handprint.

What to do



1. Trace your hand onto a sheet of paper and estimate how many beans will fit onto the outline of your hand and write it down.

2. Glue the beans end to end onto the outline of your hand.



3. Count the total number of beans you used and compare the result with your estimate.

Did You Know?

We use estimation every day of our lives in order to prevent us from having to count and measure everything. Guessing is good enough when estimating the amount of groceries in your basket or when guessing if you have enough flour to bake the cookies. Your child can be good at estimating by practicing getting as close as you can with a good guess. Estimation is an important math skill also known as a "best guess".

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