



Exploring Math

Math Facts

Did you know.....

Math is important for many different professions like engineering, business, and science.

There is evidence that Ancient Egyptians used complex math thousands of years ago.

'Four' is the only number in the English language that is spelled with the same number of letters as the number itself.

<https://www.sciencekids.co.nz/sciencefacts/math.htm>

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Graphing Galore!

Materials: 1 piece of paper, markers, cotton balls, and food coloring or paint

What you will do: Give your child 20 cotton balls and help them to count all 20. Then have your child count out 10 cotton balls and color them all one color. Of the remaining 10 cotton balls, count out 6 cotton balls and dye them another color. Then dye the remaining 4 cotton ball a different color. Set the cotton balls to the side to dry. Take one piece a paper and draw a horizontal line across the bottom. Tell your child this is called the x-axis. Under this line write the 3 different colors you used to dye the cotton balls. Then draw a vertical line along the left side of the paper that intersects the horizontal line. Tell your child this is called the y-axis. Label where the x and y axis intersects "0" and the top of the y-axis "10". Have your child fill in the rest of the numbers 0-10 on the y-axis. Once the cotton balls are dry have your child group them by color and place each group by the appropriate color written along the x-axis. Then one group at a time, have your child count the cotton balls in the group while placing them in a vertical line starting at the x-axis. Then draw a bar that outlines each group. Remove the cotton balls and have your child color in the bar with a marker that matches the color of the cotton balls in that group.

Discuss: Explain to your child that people use graphs to display the amounts of things. There are different types of graphs and the one they just created is called a bar graph.

Sing

Here is the Beehive

Here is the beehive (make a fist)
Where are the bees?
Hiding inside where nobody sees
Watch them come creeping out
of the hive

One, two, three, four, five
(release one finger at a time
from the fist/hive)
...BUZZ-ZZZ (wiggle fingers)

<https://childhood101.com/15-preschool-counting-songs-fingerplays-rhymes/>

Activity