

Marvelous Math Development in Preschool



Welcome!

- Thank you for being here!
- We appreciate all that you are doing to support learning at home.
- We are partners with the same goal in mind... helping your child succeed.
- We hope you are seeing wonderful development in your children.



SEP Conferences

- There will be no regular classes, just SEP conferences by appointment.
- We will discuss your child's progress, learning and goal development.



Guaranteed Viable Curriculum

Can my child do this?

What should a preschooler be able to do by the end of the school year?

- Enjoy coming to school and follow classroom routines 
- Recognize and name basic colors 
- Recognize and name basic shapes 
- Listen to and follow directions 
- Stay focused for 10 minutes 
- Understand concepts of print 
- Cut a straight line and a circle 
- Write their name the correct way 
- Work and play collaboratively with others 
- Ask and answer "wh" questions 
- Recognize, name, write and count numbers 0-10 
- Name all capital/lowercase letters 
- Tell what sound all letters make 



1: Count

Count the number of M&Ms by touching each piece.
Help your child write the number of M&Ms you have in your bag.



Student Name: _____

Marvelous Math in PreK!

<p>1. Count</p> <p>How many M&M'S do you have?</p> <p>_____</p>	<p>2. Sort</p> <p>Sort your M&M'S into the color circles.</p>
<p>3. Graph</p> <p>Place your sorted M&M'S onto the graphing sheet.</p>	<p>4. Pattern</p> <p>Grab a few pattern cards and continue the color pattern.</p> <p>Create a pattern of your own.</p>
<p>5. Weigh</p> <p>Divide your M&M'S into 2 groups. Weigh them in the balance. Which one weighs more? Which weighs less? Find another object in the room and weigh it against your M&M'S. Which do you think will weigh more or less?</p>	<p>6. Measure</p> <p>Find 3 objects that you would like to measure. Line up your M&M'S and see how long each object is. Record the length. _____ Which object is the longest? Which object is the shortest? Are any of them the same?</p>

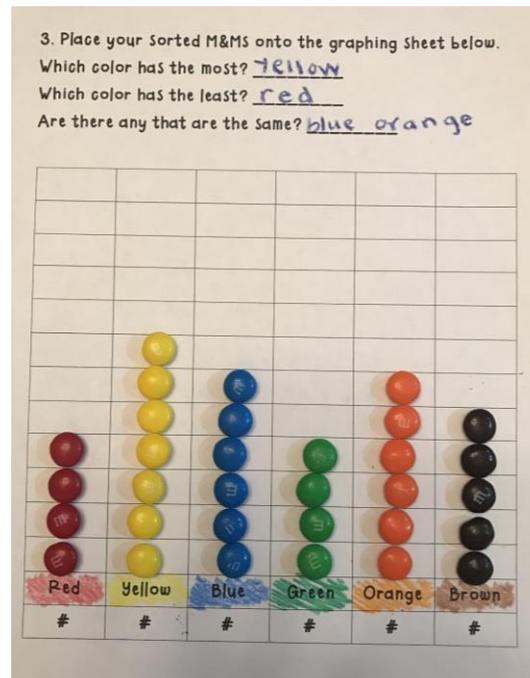
#2: Sort

Read the color words on the sorting sheet.
Color the circles the appropriate colors.
Then sort your M&Ms into the appropriate color circle.



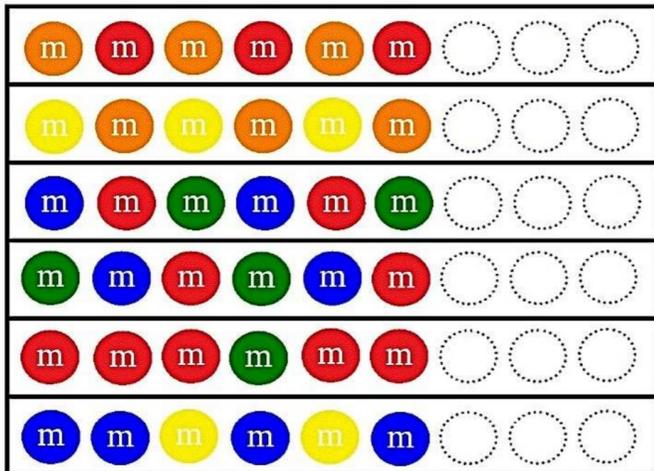
#3: Graph

Place your sorted M&Ms onto the graphing sheet.
Which color has the most?
Which color has the least?
Are there any that are the same?



#4: Pattern

Grab a few pattern cards and continue the color pattern.
Can you create a pattern of your own?



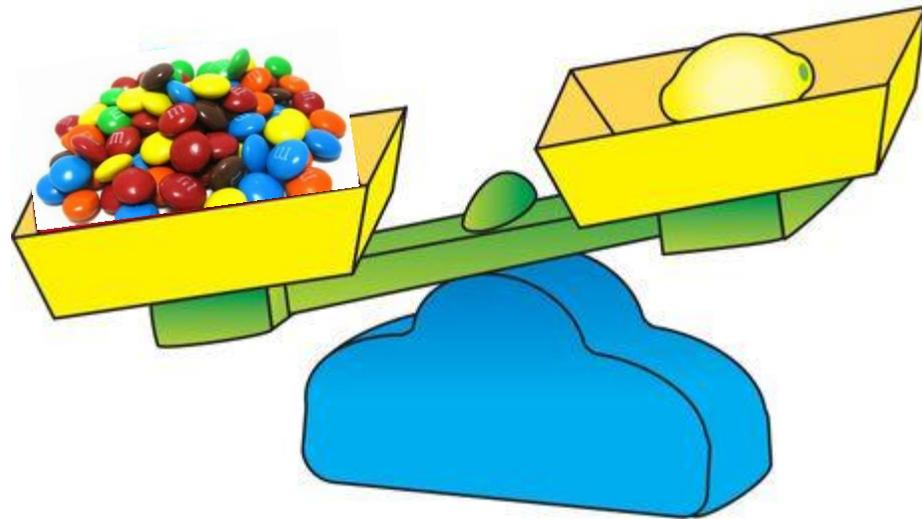
#5: Weigh

Divide your M&Ms into 2 groups. Weigh them in the balance.

Which one weighs more? Which weighs less?

Find another object in the room and weigh it against your M&Ms.

Which do you think will weigh more or less?



#6: Measure

Find 3 objects that you would like to measure.
Line up your M&Ms and see how long each object is. Record the length.
Which object is the longest? Which object is the shortest?
Are any of them the same?



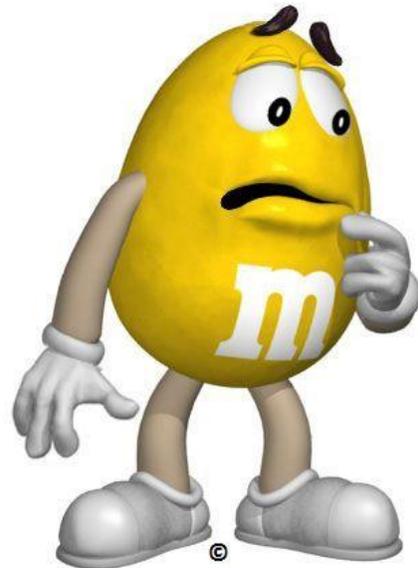
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Marvelous Math in PreK!

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Extension @ Home

What other items could you use in your home for similar activities to do with your child?



Helpful Tips

All of the activities we did today are simple and cheap!
Please do them at home with your children.
Also, refer to the handouts for more ideas and suggestions to help your child develop their math skills.

Math at Home

Children develop positive feelings about math when they have fun math experiences at home with their family!

Things to Remember

- Exploring math should be fun!
- Allow your child to count, read numbers, explore shapes, create patterns, and measure at own individual level.
- Every child learns differently. That is what makes your child unique!
- Give hints, not answers.
- Celebrate and praise ALL math discoveries!

SHOW YOUR CHILD HOW YOU USE MATH EVERYDAY!



FUN ACTIVITIES TO TRY

- Count as you walk, jump, skip, march, or go up the stairs. Do one movement for each number.
- Read counting books. Notice the number and count the objects as you read.
- Make numbers and shapes with playdoh. First roll the playdoh into rolls (snakes). Use the rolls to form numbers and shapes.
- Sort the laundry by color or clothing categories. Count the number of items in each pile. Which pile has the most/least?
- Go on a shape hunt (inside or outside). Talk about the shapes. Feel and count the sides and/or corners.
- Find markers that are the same size. Using markers, measure how many markers tall each person is in your family is by lining up the markers next to them.



Commercial Games That Incorporate Math

Candyland, Hi Ho Cherry-O, Trouble, Counting Cookies, Uno, Chutes and Ladders, Hungry Hungry Hippos, Cootie, The Sneaky Squirrel, The Ladybug Game, Banne of Monkeys, Jenga, and puzzles

Using Hands on Materials at Home

Here is a list of math tools and items you may have at home that are great for exploring math! Be creative and have fun! Just explore the materials or make up your own game!

EXPLORE COUNTING <ul style="list-style-type: none">Coins, buttons, cotton ballsBeans or uncooked pastaSmall plastic animalsPopsicle sticksRocks or sea shellsCereal or small snacksCupcake pans and egg cartons to count items in	EXPLORE MEASURING <ul style="list-style-type: none">Measuring cups and/or spoonsVarious size bowls or containersMaterials to measure and scoop such as water, sand, noodles, or cotton ballsMeasure by repeating an item such as blocks or cupsTape measures and rulersScalesTimers
EXPLORE SORTING <ul style="list-style-type: none">Sort various items: coins, buttons, rocks, sea shells, seeds, blocks, lids, screws, nuts, bolts, cars, animals, blocks, and/or doll accessoriesMake collections of items to sort and treasure	EXPLORE SHAPES <ul style="list-style-type: none">Build, create, and sort blocks and buttons
EXPLORE PATTERNS <ul style="list-style-type: none">Find patterns on clothing, wrapping paper, etc.Copy and/or make patterns using various items (buttons, lids, silverware)	OTHER FUN MATH ITEMS <ul style="list-style-type: none">DiceCardsPuzzlesWhite board and markersMagnet numbersChalkMaps

