

Math at Home

Number Concepts and Operations

Tips and Activities



Counting Songs and Nursery Rhymes

Songs with counting up to 10:

"One, Two, Buckle my Shoe"

"10 Little Monkeys"

Count

1. Stairs or steps you take
2. Fingers and toes
3. Flowers you pass
4. Trees at the park
5. People in line
6. Apples at the store



Add and Subtract

Set out 4 carrots, how many do you have if you eat one?

Place 2 crackers on the plate, how many do you have if you add one more?

Build a tower with blocks, how many blocks are in the tower?
Add a block, how many do you have now?



Play Games

Counting Games

Dice

Board Games with Numbers

Card Games

Go On a Number Hunt

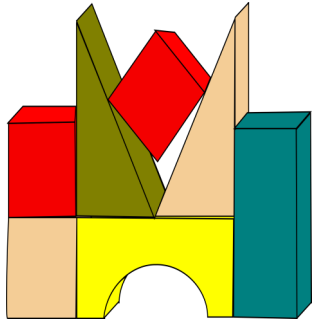
When on a walk or drive look for numbers:

House numbers

License plate numbers

Gas prices

Advertisements



Math at Home

Shapes and Spatial Relationships

Tips and Activities

Spatial Relationships

Count objects you encounter. Encourage children to explore the space around them. Use words like go around, stand on top of or go underneath objects. Use words like up, up or down, down.

Time to Draw

Sit with your child and with a crayon draw a shape like a circle, square or triangle. Have your child copy your drawing. Once your child understands the game you can take turn drawing the starting shape.



Shape Hopscotch

Cut out shapes of different colors and tape them on the floor or have your child draw the shape with sidewalk chalk. Call out a shape and have your child go stand on the appropriate shape.

Go On a Shape Safari

Practice recognizing shapes around the home or neighborhood:

Find plates as circles

Shapes of street signs

Shapes of items at the grocery store



Play With Shapes

Puzzles

Nesting dolls

Various shaped blocks

Geometric stacking toys

Math at Home

Patterning

Tips and Activities

Create Patterns

Use blocks of varying colors, shapes and sizes to create patterns while building a tower.

Use stickers of different styles and colors to create a pattern.



Set the Table

Have the child help set the table. You can include counting how many place settings are needed and place them in order. Each place setting will look the same creating a pattern.

Sort

Sort everyday items such as laundry. You can sort by size, item, or color. Match socks or towels.

Place pantry items or storage containers in order.



Sing and Move

Use music to create song and dance patterns:

"Head, Shoulders, Knees and Toes"

"The Wheels on the Bus"

"Ring Around the Rosie"

Create your own movement with twirling, jumping or clapping.



Take a Walk

Walk around the neighborhood or park and collect items such as leaves, rocks and acorns. When you return home, categorize them based on item, size or color.

Math at Home

Measurement

Tips and Activities

Bath Time, Math Time

Provide several containers during bath time for your child to play with and encourage them to fill it up and pour it out or to pour in in a different container. Use word like "now it empty" and "fill it up".

Everyday Measurement

Use measurement in everyday activities.

Have a ruler when you are out and measure the length of items like books or menus. Talk about time: Dinner time, lunch time, or how much time it takes to do things. Estimate distance traveled when you take a walk.



Fun in the Kitchen

Follow a recipe and have your child help with the measuring. During the measuring talk about how much it you are putting in to the meal. During meal time your child can also help fill the water glasses to measure how much water everyone will get.

Compare Sizes

Compare the sizes of many different things and find which one is::

Heavier/Lighter

Longer/Shorter

Wider/Thinner

Bigger/Smaller

Farther/Nearer



Create a Growth Chart

Make a growth chart for your child and any siblings. Mark the height and weight. As the child grows, continually add to the chart.