



# Math Guide of Activities

From Infant to Preschool

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# Infants

## 21 days of learning

1. Count from 1-10: Practice counting to your infant every day.
2. Counting backwards from 10-0: Teach your infant this by using your fingers to show how the numbers “get smaller” and that zero means ‘none’.
3. Sing math songs: “10 Little Monkeys, Jumping on the Bed”
4. Sorting colors: Use food objects such as colored marshmallows, cereal, or goldfish crackers to sort and show infant to teach.
5. Stacking blocks or objects up vertically, then having your infant knock them down
6. Lining blocks or objects up in a row horizontally
7. Make easy colored 2-step patterns: Use objects that are colored such as crayons, red and blue. Lay them out on the floor to make a pattern; red, blue, red, blue, red, blue, and so forth.
8. Tearing tissue paper to build fine-motor skills in your infant.
9. Matching: Using objects you have at home such as shoes or socks to teach matching similar looking things together.
10. Drawing shapes: Draw a circle, square, rectangle, triangle, heart, oval, and diamond out on a sheet of white paper. As you draw them each one at a time, remember to tell and show your infant to teach.
11. Writing the numbers 1-5 out on a sheet of white paper to show infant
12. Going on a shape hunt around your house to find circles, squares, triangles, and rectangles.
13. Going on a color hunt around your house to find purple, red, blue, black, white, yellow, orange, green, pink, and brown things!

14. Giving 10 kisses to your infant and counting out loud as you do so!
15. Counting your fingers and toes, then count your infant's.
16. Teaching opposite words to build math vocabulary: up/down, in/out, front/behind, above/below, forward/backward, add/subtract, tall/short, big/small, wide/narrow, on/off – How to teach these to an infant? Say them as you give them directions of what to do, or when you talk to them throughout the day while playing. Such as: “Can you put the car ON the floor?” OR Hold the blanket ABOVE your head say the word “above” to your infant, then hold it BELOW your knees and say the word “below” to your infant to teach those vocabulary words.
17. Teaching big and small using play dough and rolling it up into different sized balls to show.
18. Adding things together to teach adding easily; such as, adding together our toys, or adding our crackers together at snack time
19. Counting sides of a shape: Find objects around your house that are a circle, square, rectangle, and triangle. Teach your child how many sides each shape has while counting it and pointing as you show them.
20. 1<sup>st</sup> 2<sup>nd</sup> 3<sup>rd</sup> Sequencing: Put objects in a row on the floor. Teach which comes first, second and third. Use a storybook to teach this concept too easily. Explain to child what happens first, second, and third. Teach this after reading book to your infant first.
21. One-to-one correspondence: Have your infant put objects in a container with one hole.

# Toddlers

## 15 Math Skills to work on with your TOT EVERY DAY!

1. Counting #'s 1-10
2. Recognizing shapes: circle, square, rectangle, triangle
3. Knowing their colors: red, blue, green, yellow, orange, pink, black, white, brown, purple
4. Recognizing numbers 1-5
5. Writing numbers 1-5
6. Counting backwards 10-0
7. Sorting similar and different objects into groups
8. Matching same things together, such as shoe and sock pairs
9. Making two-step easy patterns. Such as using crayons to make a colored pattern: red, green, red, green, red, green, and so forth
10. Practice drawing shapes
11. One-to-one correspondence: Have your child put one marshmallow on top of one cracker during snack time. OR Draw circles on a white sheet of paper, and have you child place 1 cotton ball inside each circle.
12. Number correspondence: Such as the number 1 and 1 dot resembling it. Parent can write out the #1 on a sheet of paper, then draw 1 circle dot next to it. Do this for #'s 1-5 and teach child this way.
13. Big and Small concepts: Go on a hunt around your house, looking for objects that are both big and small and ask child to tell you big objects they see in one room and small objects they see in that room.
14. Sequencing: Talking about what comes first, second, and third. You can do this when reading a story to your toddler or using objects and putting them in order. Use this sequencing vocabulary to your child in any situation. When eating dinner teach child; eat veggies FIRST, meat SECOND, and fruit THIRD.
15. Adding and Subtracting: Add together objects, such as 2 toy cars and 1 toy truck = 3 toys all together. Do the same thing when teaching subtracting to your child. Use toys, snack food items, or objects the child recognizes and is interested in when teaching adding and subtracting.

# Preschool

## 3 weeks of preparation for Kindergarten Math!

### Week 1

**Monday** – Count from 1-100 together with parent

**Tuesday** – Recognize and name all the colors

**Wednesday** – Recognize, name, and draw the shapes (circle, square, rectangle, triangle, diamond, heart, octagon, and oval)

**Thursday** – Count the sides and angles on the shapes (same as listed above)

**Friday** – Count backwards from 20-0

### Week 2

**Monday** – Matching objects together that are the same, such as shoes

**Tuesday** – Sorting Goldfish crackers into groups by their colors

**Wednesday** – Grouping big and small objects together by size (you can use the large and small marshmallows for this activity)

**Thursday** – Making 2 and 3-step patterns using colored Fruit Loops cereal (red, blue, red, blue, red, blue....OR red, blue, green, red, blue, green.....)

**Friday** – Writing the numbers 1-10 out on a sheet of paper

### Week 3

**Monday** – Practice adding and subtracting together amounts using tangible objects, such as toys or crackers

**Tuesday** – Solving word problems (use the ones below to teach, and then make up your own to do with child)

- If mom had two cats and dad had three cats, how many did they have all together?
- Sam is 4 years old. His sister is 2 years old. What is the age difference between the two of them?

- Jack and Jill were best friends. They went to school and met 3 other kids. On the playground they were the only ones that liked to swing. How many kids were there all together that liked to swing, including Jack and Jill?
- If I have 10 jelly beans, and I gave you 4, how many would I have left?

**Wednesday** – Building math vocabulary, discuss these meanings and words with your child today. Give them examples of what these words, or phrases, mean by either telling or showing them to teach comprehension.

- Up and down
- Big and small
- Above and below
- In and out
- Tall and short
- In front of and behind
- Forward and backward
- Add and subtract (plus and minus)
- More and less
- All together and take away
- On and off
- Wide and narrow
- Between
- Have left?
- Similarity
- Difference
- Match and sort
- Patterns

**Thursday** – Teach one-to-one correspondence and number amounts. Write the numbers 1-10 on a sheet of white paper. Give your child some small stickers. Have them place the correct number of stickers onto each number to represent it. Such as, 1 sticker goes on the #1.

**Friday** – Have your child trace or write the number words from 1-10 out on a sheet of paper. Such as writing, 1 one 2 two 3 three 4 four