

# Kindergarten Numeracy Learning at Home

ISSUE 1

## Keep the learning going!

The following activities support learning at home and connect to the mathematics that you have been learning. Choose activities that are interesting and challenging. Have fun!

**Patterns and Relations:** Mathematics is about recognizing, describing, and working with numerical and non-numerical patterns.

**REPEATING PATTERNS:** Patterns are everywhere! Repeating patterns can be made with objects, sounds, actions, or pictures.

- Describe the repeating pattern below.
- How would you extend this pattern?
- Draw the next three shapes.



**CREATE YOUR OWN REPEATING PATTERN:** Use blocks, rocks, and leaves, or actions such as clapping, snapping, or stomping to create a repeating pattern. Draw a picture of a repeating pattern.

**Which One Doesn't Belong?** Look at what is in each box.

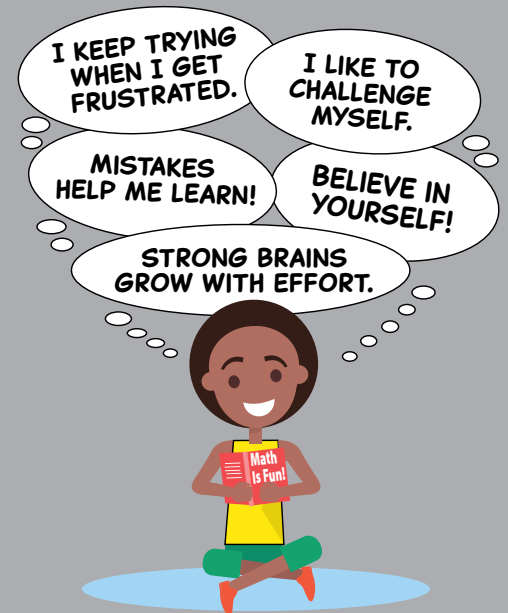
Find a reason why each one doesn't belong. Explain why. There are no wrong answers as long as each answer includes an explanation about why it doesn't belong.

For example, the box with the number 5 does not belong because it is the only box with a number.

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## Math Mindset



I KEEP TRYING WHEN I GET FRUSTRATED.

I LIKE TO CHALLENGE MYSELF.

MISTAKES HELP ME LEARN!

BELIEVE IN YOURSELF!

STRONG BRAINS GROW WITH EFFORT.

## LAUGH OF THE DAY

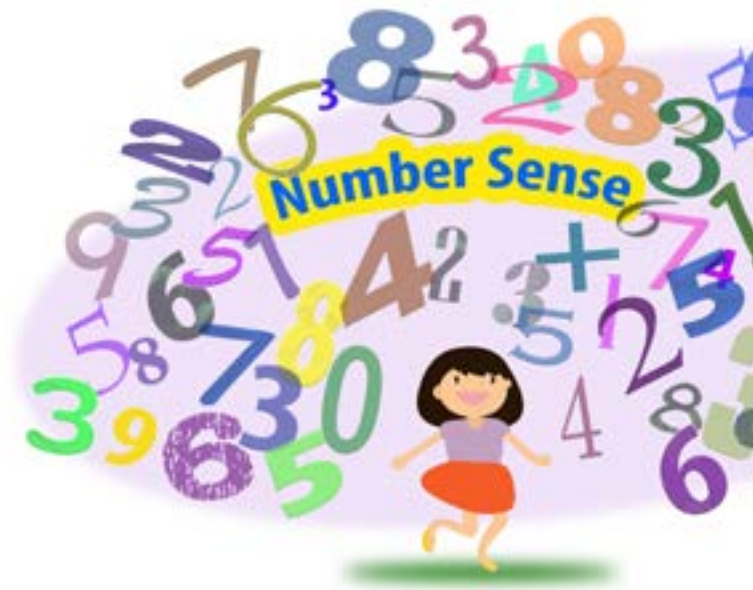
**Q** Are monsters good at math?

**A** Not unless you *Count Dracula*.



# Building Number Sense

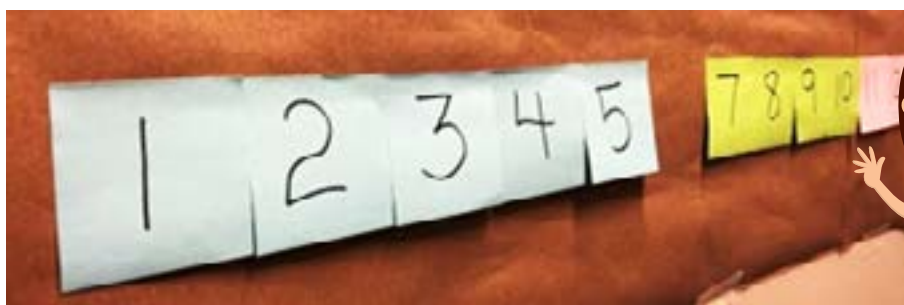
Number sense is an awareness and understanding of numbers. Number sense involves knowing different ways of representing numbers, understanding the relationships among numbers, and using numbers flexibly to reason, estimate, and compute.



## Number Path

Number paths foster number sense. The number path is a counting model that helps develop greater flexibility in constructing meaning with number relationships.

Make a number path using sticky notes. Randomly remove numbers and guess what number is missing. Mix up the numbers and put them in the correct order.



## Number Path Activity

1. Call out a number between 1 and 20. Point to the number on the number path.
2. Name the number that comes after a given number from 1 to 9.
3. Name the number that comes before a given number from 2 to 10.
4. Name numbers that are more than 5.
5. Name numbers that are less than 10.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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## Number Chart

Use a number chart to count.

1. Practice counting by 1s to 30.
2. Practice counting to 30 by starting with other numbers instead of 1.
3. Practice counting by 1s backwards from 10.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

## Sorting

In the following activity, you will describe, sort, and compare common 3-D objects (shapes) that look like spheres, cones, and cubes.

**Sorting Shapes:** Look at the following shapes and describe them using words such as:

- "big"
- "like a box"
- "little"
- "like a can"
- "round"



**What's my rule?** Find similar items around your home. Sort the objects into two groups. Ask someone to guess your sorting rule. Resort the groups and let the same person guess the new rule.



MY SORTING RULE IS OBJECTS THAT ROLL AND OBJECTS THAT DON'T ROLL. WHAT ARE OTHER WAYS TO SORT THE OBJECTS?

