

Kindergarten Numeracy Learning at Home

ISSUE 2

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!

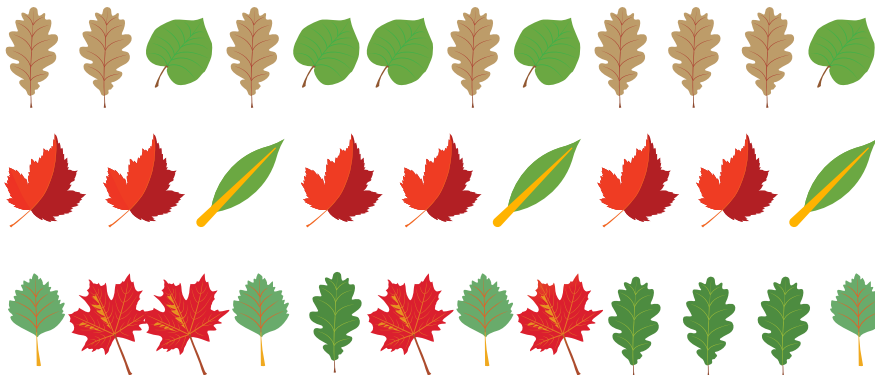
Patterns and Relations: Mathematics is about recognizing, describing, and working with numerical and non-numerical patterns.

PREDICTING HOW A PATTERN REPEATS: A repeating pattern has a core that repeats within the pattern. The core helps you understand the pattern. Look at the pattern and answer the questions.

- What do you notice about the pattern?
- What relationships do you notice?
- What part of the pattern repeats? What is the pattern core?



WHICH ONE IS A REPEATING PATTERN? Look at the patterns and decide which one is the repeating pattern. Explain why it is a repeating pattern.



LOOK FOR AND TALK ABOUT REPEATING AND NON-REPEATING PATTERNS AROUND YOUR HOME AND COMMUNITY.



Make your own pattern.



Math Mindset

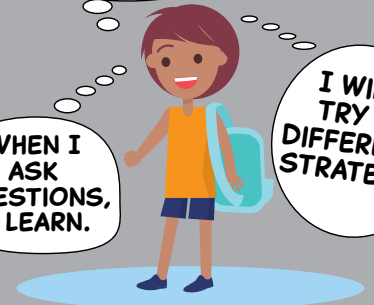
I AM GOING TO TRAIN MY BRAIN IN MATH.

MY EFFORT AND ATTITUDE MAKE ALL THE DIFFERENCE.

I PERSEVERE WHEN I AM FRUSTRATED.

WHEN I ASK QUESTIONS, I LEARN.

I WILL TRY A DIFFERENT STRATEGY!



LAUGH OF THE DAY

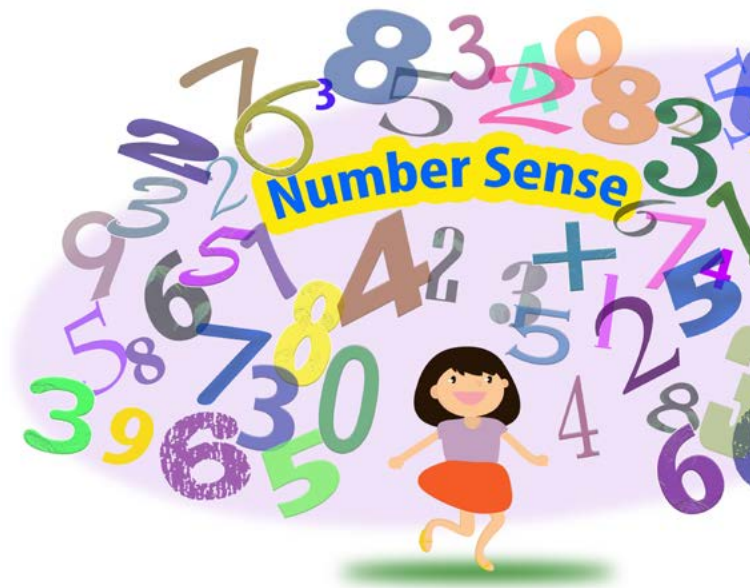
Q What do you call a hen that counts?

A A mathemachicken.



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.



Mental Math Strategies

Mental math strategies

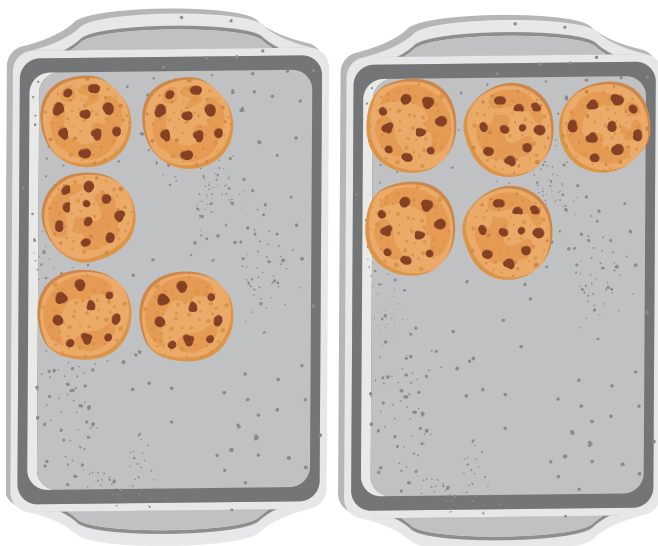
foster flexible thinking about numbers and operations, and can help you determine the relationships between numbers. Learning about mental math strategies helps build an awareness of the numbers and makes you question if an answer does not “look” or “sound” right. Developing good mental math strategies is important because mental math is a valuable life skill.



Using manipulatives and pictures supports how we can think about strategies.

Strategy: Breaking Up Numbers Using Story Problems

Grandpa and Sam were baking cookies on a Sunday afternoon. They made 10 cookies. Sam had 5 cookies on her baking sheet and grandpa had 5 cookies on his baking sheet. They could not wait to bake them and eat them for dessert.



Select a number between 2 and 10. Make a story and use cookies to show different combinations of cookies that could be placed on the baking sheet. Use any sort of counters to represent the cookies.

Splat!

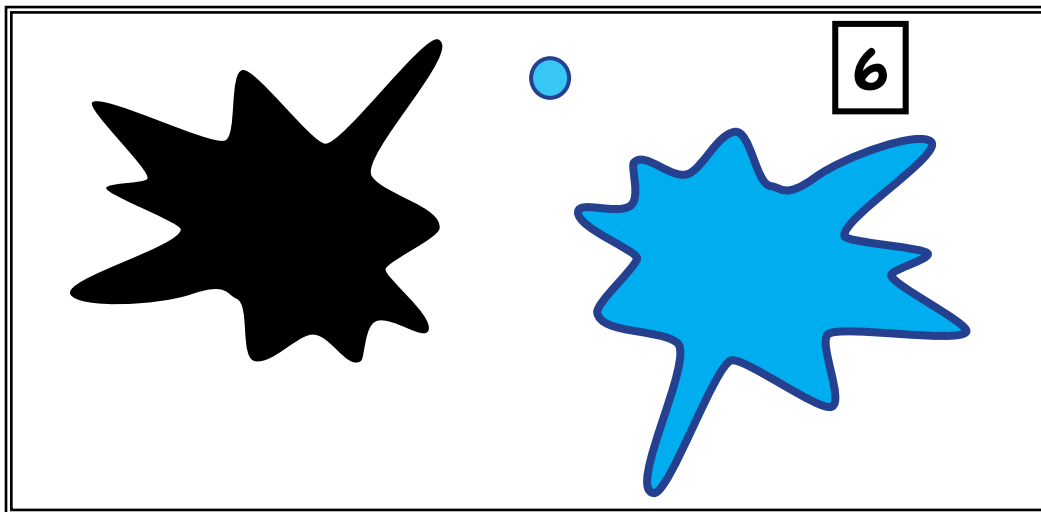
Splat is a thinking game. Some ink has spilled onto the picture. Look at the ink splats below and reason out how many dots are hidden beneath each one.

- The number on top represents the number of dots in the entire picture.
- How many dots do you see?
- When splats are different colours, they are covering different amounts of dots.
- How many dots have been covered by the ink splats?
- Explain how you know? Is there more than one way?



For example:

I see 1 dot, so there are 5 dots hidden under the ink splats. There could be 4 dots under one splat and 1 dot under the other splat. Describe other possibilities.



Number Detective?

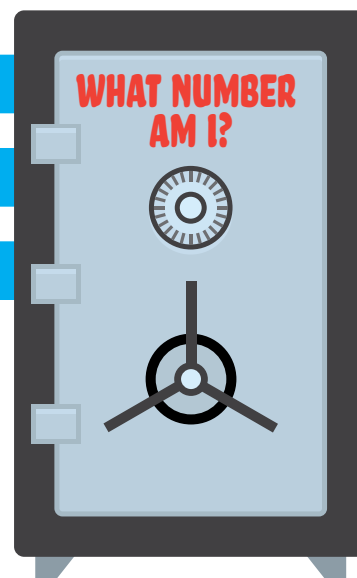
Use the clues to find the number.

I am a 2-digit number.

I am more than 9 but less than 11.

What number am I?

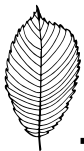
It's your turn now.
Make up riddles of your own.



I Spy Leaves



CAN YOU FIND THE FOLLOWING LEAVES IN THE PICTURE ABOVE?



9



4



5



4



7



10



5



2



CAN YOU FIND TREES WITH LEAVES LIKE THESE IN YOUR COMMUNITY?

LOOK VERY CAREFULLY AT THE SIZE AND SHAPE OF EACH LEAF. KEEP TRACK OF THE SAME LEAVES BY COLOURING THEM.

