Grade 1 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: The core of a pattern is the shortest part of the pattern that repeats. The core helps you understand the pattern structure.
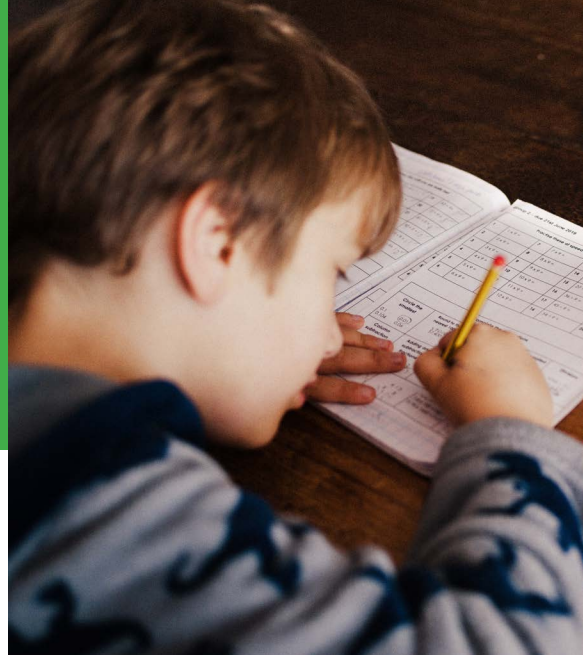
Look at the pattern and answer the questions.

- What do you notice about the pattern?
- What relationships do you notice?
- What part of the pattern repeats? What is the pattern core?
- Draw the next three shapes.

TRANSLATE THE REPEATING PATTERN: When you change a pattern from one way to another using things such as objects, sounds, and actions, you are translating the pattern. Try using different shapes to make a similar pattern to the one above. Also try using actions such as clapping and snapping.

> REMEMBER TO KEEP THE CORE OF THE REPEATING PATTERN THE SAME. ONE WAY COULD BE, CLAP, STOMP, SNAP, CLAP, STOMP, SNAP.

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.

> I WILL TRY A DIFFERENT STRATEGY!

> WHEN I ASK QUESTIONS, I LEARN.

LAUGH OF THE DAY

Q If I had 5 oranges in one hand and 7 apples in the other hand, what would I have?
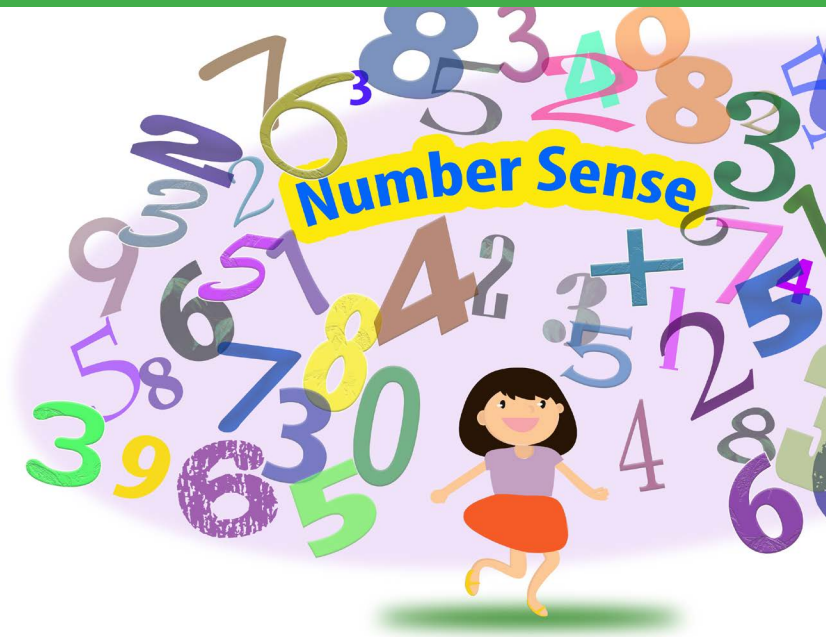
A Big hands!

Manitoba

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 Sense

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.

Addition Strategy: Making Ten

Knowing number combinations that add up to 10 helps with adding numbers. Picturing a ten frame in your head can help.

$9 + 3$ $9 + 1 + 2$ $10 + 2 = 12$

Use the making ten strategy to find the sums.

$7 + 4$ $7 + 3 + 1$ $10 + 1$

$8 + 5$

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 3 dots, so there are 7 dots hidden under the ink splats. There could be 1 dot under one splat and 6 dots under the other splat. Describe other possibilities.

10
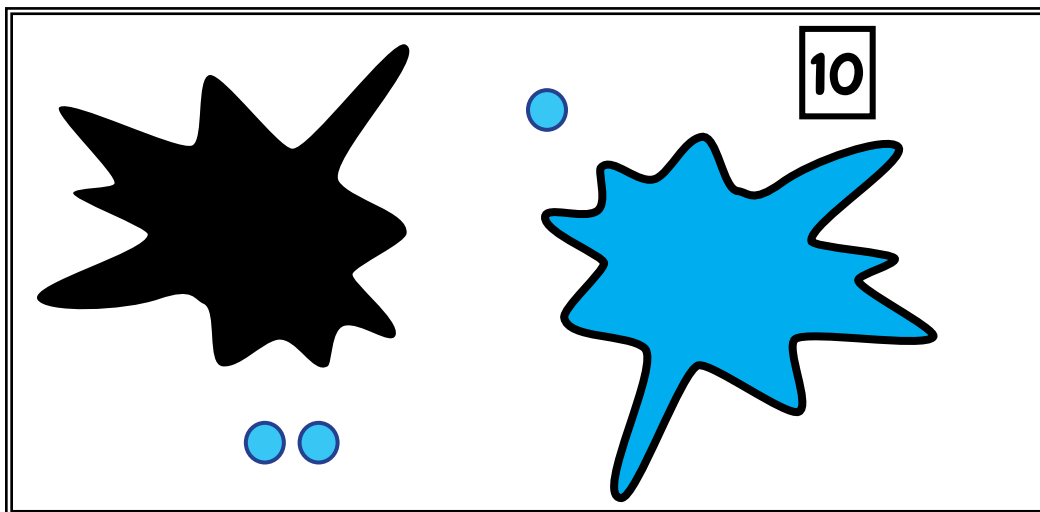
Number Detective?

Use the clues to find the number.

I am a 2-digit number.

I can get to my number by counting by 10s.

I am more than 10 but less than 30.

When you add my 2 digits together, you get 2.

WHAT NUMBER AM I?
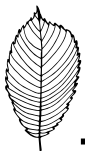
It's your turn now.
Make up riddles of your own.

I Spy Leaves

CAN YOU FIND THE FOLLOWING LEAVES IN THE PICTURE ABOVE?

9   4   5

4   7   10

5   2

BONUS: FIND THE 10 INSECTS!

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.