



Dear Parents,

In Mathematics, your child will work to answer the following questions through exploration of these ideas and concepts:

How can I be strategic and accurate when adding and subtracting?

- Add and subtract within 100, using a variety of strategies, to solve one- and two-step word problems.
- Demonstrate computational fluency when adding and subtracting within 100.
- Explain why addition and subtraction strategies work, using place value and properties of operations.

Why is it important to be fluent with my addition/subtraction strategies?

- Fluently add and subtract within 20 using mental strategies.
- Know from memory all *sums* of two one-digit numbers.

What strategies can I use when solving problems involving larger numbers?

- Add and subtract within 1000, using models, drawings, and various strategies.
- Mentally add/subtract 10 or 100 to/from a given number.
- Compare two three-digit numbers.
- Understand the three digits of a three-digit number represent amounts of hundreds, tens and ones.
- Count within 1000; skip-counting by 5s, 10s, and 100s.
- Read and write numbers to 1000.
- Explain why addition and subtraction strategies work, using place value and properties of operations.

Why are measurement tools important?

- Measure and estimate the lengths of objects, selecting and using appropriate tools.
- Solve word problems involving lengths given in the same units by adding and subtracting (within 100) using drawings and equations.
- Use a number line to represent whole numbers as lengths and whole number sums and differences within 100.
- Create line plots, picture graphs and bar graphs to represent measurement data.

How can I partition shapes into equal shares?

- Partition circles and rectangles into two, three, or four equal shares, describing the shares using the words *halves*, *thirds*, *half of*, *a third of*, etc.

Building foundational ideas of multiplication and/or area for 3rd grade:

- Partition a rectangle into rows and columns of same-size squares and count to find the total number of squares.
- Use addition to find the total number of objects arranged in rectangular arrays (up to 5 rows and up to 5 columns).
- Determine whether a group of objects (up to 20) has an odd or even number of members.

In Science, your child will continue to answer the following questions through exploration of ideas and concepts about *Interdependent Relationships in Ecosystems*:

What do plants need to grow?

- Plants depend on water and light to grow.
- Plants depend on animals for pollination or to move their seeds around.

Why do living things exist in different places on land and in water?

- There are many different kinds of living things in any area.
- Living things exist in different places on land and in water.