



Dear Parents,

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

Why do I need a variety of strategies for problem solving?

- Add and subtract within 100, using a variety of strategies, to solve one- and two-step word problems.
- Solve word problems involving dollar bills, quarters, dimes, nickels and pennies.
- Explain why addition and subtraction strategies work, using place value and properties of operations.

What strategies help me become fluent with addition and subtraction facts?

- Maintain computational fluency of addition and subtraction within 10 working towards fluency within 20.
- Use a variety of strategies to add and subtract within 20.

How can I decompose (break apart) numbers when adding and subtracting larger numbers?

- Add and subtract within 1000, using objects, 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.
- Solve word problems involving dollar bills, quarters, dimes, nickels and pennies.
- Explain why addition and subtraction strategies work, using place value and properties of operations.

Why do I need a standard unit of measure?

- 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 does partitioning a shape help me name a part of a whole?

- 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.

In Science, your child will continue to answer the following questions through exploration of ideas and concepts about *Earth's Systems: Processes that Shape the Earth* and begin to answer questions and explore ideas about *Interdependent Relationships in Ecosystems*:

What are the different landforms and bodies of water on the surface of the Earth, and how do they change over time?

What evidence can we find to prove that the Earth changes quickly and slowly, and how can we prevent these changes?

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.