

Public Schools of the Tarrytowns

Grade 2 Math Curriculum

First Trimester

September

Review Number and Time

Week 1, 4 Weeks

Essential Questions:

- How do making groups of ten help me count?
- How does identifying the tens help me compare numbers?
- How does skip counting help me add and multiply?
- How does moving clock hand show me elapsed time?

Skills:

- Count with understanding to 100.
- Read, write, and compare numerals to 99 with representation.
- Represent two-digit numbers as groups of ten and "leftover" ones.
- Develop understanding of relative position and magnitude of whole numbers.
- Compare two amounts and say which is greater.
- Use coins to show 2-digit amounts.
- Count by twos, fives or tens and identify multiples of 2, 5, and 10.
- Classify numbers as even or odd.
- Sort numbers using two attributes.
- Read and show on-the-hour and half-hour time on an analog or digital clock, along with elapsed time.
- Say the months in order and sort according to days.
- Represent data in a pie graph.

October

Addition and Subtraction Strategies

Week 5, 5 Weeks

Essential Questions:

How can the strategies of counting-on or counting back 1, 2, or 3 make finding a sum/difference easier?

How can using a known double to add numbers that differ by 1 or 2 make finding a sum easier?

How can knowing family of facts assist with mental math?

Skills:

Create number stories that involve addition.

Write addition number sentences.

Solve problems that involve addition.

Use the count-on strategy to add 1, 2, or 3.

Use a known double to add numbers that differ by 1 or 2.

Create, model, and solve subtraction problems.

Write related number sentences.

Use the count-back strategy to subtract 1, 2, or 3.

Understand the relationship between addition and subtraction.

Write a "family" of related addition and subtraction facts.

Solve subtraction problems that involve finding a missing addend.

Solve subtraction problems that involve finding a difference.

Choose the appropriate operation and use it to solve a story problem.

Create, model, and solve addition and subtraction problems.

Create number stories with a given answer and complete the related number facts.

Interpret, analyze, and represent data in a graph.

November

Measurement and Geometry

Week 10, 4 Weeks

Essential Questions:

What units can be used to measure objects?

What are parallel lines?

What is the difference between horizontal lines and vertical lines?

What are the names, shapes, faces, edges, and vertices of 3-D shapes?

Skills:

Recognize the attributes of length, capacity and weight.

Measure length with multiple copies of nonstandard units of the same size, placed end to end.

Use repetition of a single unit to measure length.

Measure length using standard units (inches).

Compare lengths.

Describe quantitative change.

Make connections among units of length.

Use repetition of a single unit to measure length.

Use tools to measure length.

Make connections among units of length.

Solve problems that involve length.

Develop common referents for measures.

Recognize, name, describe, and compare 2-D shapes.

Identify parallel lines.

Identify horizontal and vertical lines.

Sort 2-D shapes.

Recognize and name 3-D shapes.

Recognize and name 2-D faces of 3-D shapes.

Recognize and name faces, edges, and vertices of 3-D shapes.

