

Grade 1 Mathematics
Second Trimester
November 5 – March 16

November: Working with Time Length and Money

Essential Questions:

Can I tell on-the-hour time on an analog clock?

What is the value of a penny, nickel and a dime?

Can I measure length using different non-standard units?

Skills:

Read and show on-the-hour times on an analog clock.

Give the time one hour before or after an on-the-hour time.

Trade 5 pennies for a nickel, and vice versa, and show amounts to 10 cents in different ways.

Trade 10 pennies for a dime, and vice versa, and show amounts to 20 cents in different ways.

Count on from 5 or 10 to determine an amount shown with coins.

Add two amounts, each less than 10 cents.

Analyze and interpret data in a graph, and solve related problems.

Gather data and represent it in a graph.

Solve problems involving money.

Measure length with multiple copies of the same non-standard unit laid end to end.

Use tools to measure length.

Analyze and interpret data in a tally chart.

December: Numbers to 20 and Number Patterns

Essential Questions:

Can I read and write a teen number in numbers and words?

Can I compare two numbers up to twenty and identify the least and the greatest?

What is a pattern that grows?

Can I use numbers to describe a pattern?

Skills:

Represent a teen number as a group of 10 and "leftover" ones.

Read and write numerals to 20 and begin to read number words to 20.

Compare two numbers (up to 20) and say which is greater.

Identify the least/greatest number.

Arrange three numbers (up to 20) in increasing order.

Analyze a repeating pattern and identify the part that repeats.

Recognize, describe, and extend patterns that repeat.

Translate patterns from one representation to another.

Use numbers to describe a pattern that repeats.

Recognize, describe, extend, and create patterns that grow.

Use numbers to describe a pattern that grows.

Classify numbers as even or odd.

Count by 2's starting from any number less than 10.

January: Building Addition and Subtraction

Essential Questions:

Can I identify number patterns related to place value?

Can I double numbers from 1 to 10, and write related addition sentences?

Can I create, model, and solve addition and subtraction problems?

Do I understand the relationship between addition and subtraction?

Skills:

Count back by 1's or 2's starting from any number to 20.

Identify number patterns related to place value.

Use place value to help find 1 more/less or 10 more/less than a number.

Identify patterns in a sequence of number sentences.

Use number patterns to help add.

Double numbers from 1 to 10, and write related addition sentences.

Write number sentences to model situations that involve addition.

Use the "turnaround" idea (commutative property) to figure out related addition facts.

Count on 1, 2, or 3 to add (using objects; totals less than 20).

Decompose a number by "breaking" it into two parts.

Add three or more numbers.

Use and interpret vertical recording of addition.

Create, model, and solve addition and subtraction problems.

Write number sentences to model situations that involve addition and subtraction.

Use and interpret the $-$ sign. Understand the relationship between addition and subtraction.

Write related addition and subtraction facts to model situations that show two parts.

February: Place Value Numbers to 100

Essential Questions:

Can I read and write number words and numerals for multiples of 10 to 90?

Can I represent a two digit number with manipulatives and pictures?

Can I read and write two digit numbers?

Skills:

Analyze, interpret and compare data in a tally chart and a bar graph.

Read and interpret ordinal numbers (to twelfth).

Use numerals to write ordinal numbers (to 12th).

Count by tens.

Represent a multiple of 10 as groups of 10.

Read and write number words and numerals for multiples of 10 (to 90).

Join and separate multiples of 10.

Represent a two digit number as tens and ones (concrete/pictorial models).

Interpret number words as tens and ones, and vice versa.

Read and write two digit numerals.

Match two digit number words (oral/written) and numerals.

Read a number word and write the numeral.

Model and write the number that is 1 or 10 more or less than a given two digit number.

Beginning of March: Place Value Numbers to 100

Essential Questions:

What are 2 D and 3 D shapes?

Can I describe the attributes and parts of 2 D and 3 D shapes?

Can I compare and order objects according to their weight?

Can I create and solve problems involving weight?

Skills:

Recognize and name 2 and 3 D shapes.

Describe attributes and parts of 2 and 3 D shapes.

Recognize and name 2 D faces of 3 D shapes.

Compare and order objects according to their weight.

Use a pan balance to measure weight in nonstandard units.

Collect, record, interpret, and analyze data.

Interpret and analyze data in a bar graph.

Create and solve problems involving weight.