



# CAMP HILL SCHOOL DISTRICT

## First Grade: Math Standards for Numbers and Operations

### DOMAIN (MATH CONTENT):

Number and Operations in Base Ten

### STANDARDS FOR MATHEMATICAL PRACTICE:

Make sense of problems and persevere in solving them.

Use appropriate tools strategically.

Reason abstractly and quantitatively.

Attend to precision.

Construct viable arguments and critique the reasoning of others.

Look for and make use of structure.

Model with mathematics.

Look for and make sense of regularity in repeated reasoning.

Essential Questions	CC Focus for Instruction	Planned Learning Experiences/ Instructional Strategies	Assessments	Resources
<p>1. How can I count and write numerals to show objects?</p> <p>2. How can I represent 2 digit numbers as tens and ones? How can understanding place value help us to compare two digit numbers?</p> <p>3. How do I use tens and ones to add and subtract within 100?</p>	<p>1. Extend the counting sequence to read and write numerals to represent objects.</p> <p>2. Use place value concepts to represent amounts of tens and ones and to compare two digit numbers.</p> <p>3. Use place value concepts and properties of operations to add and subtract within 100.</p>	<p><b>1-3</b></p> <p><b><u>Direct Instruction</u></b> Modeling Vocabulary</p> <p><b><u>Guided Practice</u></b> Small group with leader Whole class practice Daily Routine Quick Practice</p> <p><b><u>Collaborative Practice</u></b> Math centers Partners Pair/Share</p> <p><b><u>Independent Practice</u></b> Workbooks Manipulatives Technology</p>	<p>1. Dot cut and paste sequencing cards. Unit Test (i.e. Unit 1 and 2) Informal observations</p> <p>2. Unit test (i.e. Unit 4 and 5) Informal observations Two-digit greater/fewer teacher made assessment</p> <p>3. Unit test (i.e. Unit 5 and 8) Informal Observations</p>	<p>1. Secret code card Yellow dot cards Math boards ME SAB</p> <p>2. Math boards Smart board Dimes and pennies ME SAB Secret code cards Money Chart Laptops</p> <p>3. Math boards Smart boards ME SAB Colored activity cards from ME 120 Chart Money Chart Laptops</p>



# CAMP HILL SCHOOL DISTRICT

## First Grade: **Math Standards for Algebraic Concepts**

**DOMAIN (MATH CONTENT):**

Operations and Algebraic Concepts

**STANDARDS FOR MATHEMATICAL PRACTICE:**

Make sense of problems and persevere in solving them.  
 Use appropriate tools strategically.  
 Reason abstractly and quantitatively.  
 Attend to precision.

Construct viable arguments and critique the reasoning of others.  
 Look for and make use of structure.  
 Model with mathematics.  
 Look for and make sense of regularity in repeated reasoning.

Essential Questions	CC Focus for Instruction	Planned Learning Experiences/ Instructional Strategies	Assessments	Resources
<p>1. How do I show and solve addition and subtraction problems?</p> <p>2. How can I relate addition and subtraction to solve problems?</p>	<p>1. Represent and solve problems involving addition and subtraction within 20.</p> <p>2. Understand and apply properties of operations and the relationship between addition and subtraction.</p>	<p><b>1-2</b></p> <p><b><u>Direct Instruction</u></b>            Modeling            Vocabulary</p> <p><b><u>Guided Practice</u></b>            Small group with leader            Whole class practice            Daily Routine            Quick Practice</p> <p><b><u>Collaborative Practice</u></b>            Math centers            Partners            Pair/Share</p> <p><b><u>Independent Practice</u></b>            Workbooks            Manipulatives            Technology</p>	<p>1. Unit test (i.e. Unit 2 and 3)            Informal Observations</p> <p>2. Unit test (i.e. Unit 1, 2 and 3)            Teacher created fact family assessment            Informal Observations</p>	<p>1. Math boards            Smart boards            ME SAB            Colored activity cards from ME            120 Chart            Money Chart            Stair steps            Laptops</p> <p>2. Math boards            Smart boards            ME SAB            Colored activity cards from ME            120 Chart            Money Chart            Stair steps            Laptops</p>



# CAMP HILL SCHOOL DISTRICT

## First Grade: **Math Standards for Geometry**

**DOMAIN (MATH CONTENT):**

Geometry

**STANDARDS FOR MATHEMATICAL PRACTICE:**

Make sense of problems and persevere in solving them.  
 Use appropriate tools strategically.  
 Reason abstractly and quantitatively.  
 Attend to precision.

Construct viable arguments and critique the reasoning of others.  
 Look for and make use of structure.  
 Model with mathematics.  
 Look for and make sense of regularity in repeated reasoning.

Essential Questions	CC Focus for Instruction	Planned Learning Experiences/ Instructional Strategies	Assessments	Resources
<p>1. How do I make a two or three-dimensional shape? How do I distinguish between shapes and solids?</p> <p>2. How do I use what I know about fractions to divide shapes.</p>	<p>1. Compose and distinguish between two- and three-dimensional shapes based on their attributes.</p> <p>2. Use the understanding of fractions to partition shapes into halves and quarters.</p>	<p><b>1-2</b>  <u><b>Direct Instruction</b></u>            Modeling            Vocabulary  <u><b>Guided Practice</b></u>            Small group with leader            Whole class practice            Daily Routine            Quick Practice  <u><b>Collaborative Practice</b></u>            Math centers            Partners            Pair/Share  <u><b>Independent Practice</b></u>            Workbooks            Manipulatives            Technology</p>	<p>1. Unit test (i.e. Unit 6)            Informal observation            Teacher created assessments</p> <p>2. Unit test (i.e. Unit 7)            Informal observations            Teacher created assessments</p>	<p>1. Solids            ME SAB            Smart board            Math boards            Foam Shapes</p> <p>2. ME SAB            Smart board            Math Boards            Paper            Pizza Fraction Game</p>



## CAMP HILL SCHOOL DISTRICT

### First Grade: **Math Standards for Data Analysis and Probability**

**DOMAIN (MATH CONTENT):**

Measurement and Data

**STANDARDS FOR MATHEMATICAL PRACTICE:**

Make sense of problems and persevere in solving them.  
 Use appropriate tools strategically.  
 Reason abstractly and quantitatively.  
 Attend to precision.

Construct viable arguments and critique the reasoning of others.  
 Look for and make use of structure.  
 Model with mathematics.  
 Look for and make sense of regularity in repeated reasoning.

Essential Questions	CC Focus for Instruction	Planned Learning Experiences/ Instructional Strategies	Assessments	Resources
<p>1. How do I use objects in my environment to help me measure and compare? How do I use an inch ruler to help me measure and compare?</p> <p>2. How can I show time to the nearest half hour?</p> <p>3. How does identifying and knowing the value of the penny, nickel and dime help me to count money?</p> <p>4. How do I show data on a table/chart/graph? How do I interpret data from a table/chart/graph?</p>	<p>1. Order lengths and measure them using both standard and non-standard units and by repeating length units.</p> <p>2. Tell and write time to the nearest half hour using both analog and digital clocks.</p> <p>3. Identifies and tells the value of the penny, nickel and dime. Count mixed sets of pennies, nickels and dimes.</p> <p>4. Represent and interpret data using tables/charts and picture graphs and circle graphs.</p>	<p><b>1-4</b></p> <p><b><u>Direct Instruction</u></b>            Modeling            Vocabulary</p> <p><b><u>Guided Practice</u></b>            Small group with leader            Whole class practice            Daily Routine            Quick Practice</p> <p><b><u>Collaborative Practice</u></b>            Math centers            Partners            Pair/Share</p> <p><b><u>Independent Practice</u></b>            Workbooks            Manipulatives            Technology</p>	<p>1. Unit test (i.e. Unit 6 and 10)            Informal observation            Teacher created assessment</p> <p>2. Unit test (i.e. Unit 7)            Clock worksheets (i.e. Homework 7-12)            Informal observations</p> <p>3. Teacher created assessments            Informal observation            Test (i.e. Targeted Practice 8-4)</p> <p>4. Unit test (i.e. Unit 6 and 7)            Informal observations</p>	<p>1. Tooth picks            Stair Steps            Assorted Manipulatives            inch ruler            ME SAB            Smart Board            Math boards</p> <p>2. Judy clocks            Smart board            Math boards            ME SAB</p> <p>3. Play money            Smart Board            Math boards            ME SAB</p> <p>4. Smart board            Math board            ME SAB</p>

