3

My Number Journal (3-digit)

For this project you will create a Number Journal in which you will show different ways to represent a 3-digit number.

Requirements:

- Choose three different 3-digit numbers between 100-500. Order the numbers from least to greatest.

- Represent each number using base ten blocks.

- Write each number in word form and expanded form

  Example: **232 = two hundred thirty two**   **232 = 200 + 30 + 2**

- Show each number using dollar bills and coins (remember 100 cents = 1 dollar).

- Are the numbers you chose odd or even? Explain your thinking.

- Find the sum of any two of the numbers. Show your work.

- Find the difference between the greatest and least numbers. Show your work.

- Write and solve three addition and three subtraction word problems. Each problem must include one of the numbers you chose.

- Present your Number Journal as a book for our class library. Give your book a title page.

Be ready to share your project on: _____

height

distance

Build a Ramp

For this project you will build a ramp and measure the distance a toy car (or marble) rolls across the floor from its base.

Requirements:

- Collect a toy car (or marble), a block, measuring tape or ruler, and a piece of thick cardboard (or rectangular tray or large book).

- Construct a ramp. Roll a toy car (or marble) down the ramp 3 times. Measure the distance it rolls across the floor from the bottom of the ramp each time and record the measurements.

- Roll your toy car (or marble) down the ramp three times from a **greater** height. Measure and record.

- Roll your toy car (or marble) down the ramp three times from a **lower** height. Measure and record.

- Create a table to show your data.

  Example:

Height	Distance 1	Distance 2	Distance 3
First Height			
Greater Height			
Lower Height			

- Write three (or more) facts about your data.

  Examples:
  - The greater the height, the _____ the car rolls.
  - The lower the height, the _____ the car rolls.
  - The shortest/longest distance the car rolled was _____.
  - The difference between the longest and shortest distance was _____.

Be ready to share your project on: _____

Grocery Shopping

For this project you will visit your local grocery store with an adult to look for items that cost less than one dollar.

Requirements:

- Visit your local grocery store with an adult. If this is not possible, you can look through a grocery store flier or use a computer to lock at an online grocery store.

- Find six items that each cost less than one dollar. Record the name and price of each item.

- Show how you could pay for each item using the least number of coins.

- Show how you could pay for each item using a different number of coins.

- Imagine that you paid for each item with a one-dollar bill. How much change would you receive? Show your thinking.

- Create a math poster to display your work. Use pictures, numbers and words to show what you learned.

Be ready to share your project on: _____

A Timeline of My Day

For this project you will make a timeline showing different times in your day on Saturday or Sunday.

Requirements:

- Choose 6-7 different o'clock or half-hour times during the day. Draw a picture to show what you are doing at each time (examples: eating breakfast, reading a book, visiting Grandma, brushing your teeth, etc.).

- Draw a timeline with evenly spaced hash marks. Label the times. Give your timeline a title.

- Paste your pictures in the correct sequence on your timeline. Label each picture.

- Draw clockfaces to show the time of each event on your timeline.

- Write 3 facts about your timeline using words from the Word Bank:

before	last	after
between	o'clock	second
third	first	half-past

Be ready to share your project on: _____

Math Scavenger Hunt

For this project you will look for items in your home that meet certain criteria. You may only use each object once. You can sketch and label each item you find or take photographs and print them. Think of a creative way to present your work.

Requirements:

- Try to find at least 15 of the following objects:

- A shape with 3 sides
- A shape with 4 sides
- A shape with more than 4 sides
- Two different size cylinders
- Two different size rectangular prisms
- An object that is longer than your arm
- An object that is shorter than your foot
- A tool for measuring length
- A tool for measuring weight
- Two objects used for telling time
- A measuring jug holding 2 cups of water

- Something that weighs more than your shoe
- Something that weighs less than your shoe
- 3 toys in order from shortest to tallest
- A number you say when you count by twos
- A number you say when you count by tens
- Three coins that have a total value of 52 cents
- A book that has exactly 18 letters in the title
- A number greater than 46 but less than 52
- The number that is 10 more than 63
- The number that is 10 less than 42
- A number greater than 100

Be ready to share your project on: _____

MATH PROJECT CHECKLIST

Name: _____   Date: _____

	Yes	No
I completed all parts of the math project.		
I used pictures, numbers, and words to show my thinking.		
I used math vocabulary and symbols correctly.		
I presented my work in a creative and organized way.		
I understand the math in my project and am able to confidently answer questions about my work.		
I practiced sharing my work with a family member before sharing it with the class.		

Something I learned by doing this project was...