



Teacher's Resource Masters

GRADE 2 VOLUME 2

Topics 9-15

Interactive Math Stories
Home-School Connection Letters
Pick a Project
enVision® STEM Activities
Daily Review
Reteach to Build Understanding
Build Mathematical Literacy
Enrichment
Teaching Tools

Grade 2

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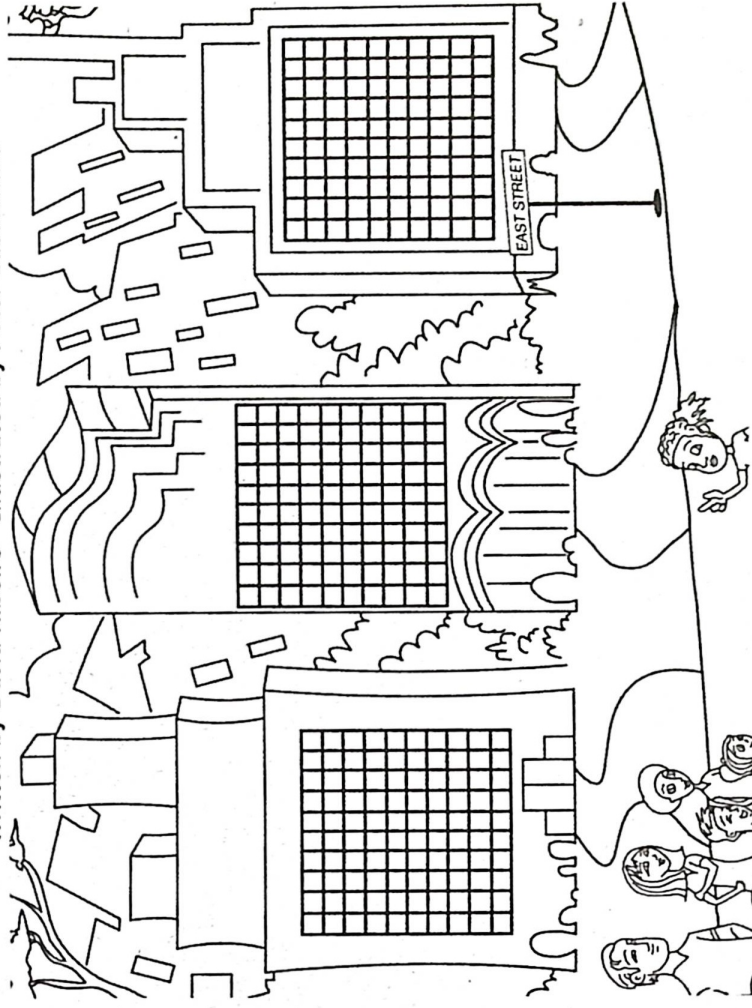
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Teaching Tools 1 through 63

This book belongs to:

Hundreds of Windows

Written by David Ribeiro Illustrated by Peter Lacalamita



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Emma's class is taking a trip to the city.

Emma will count the windows on

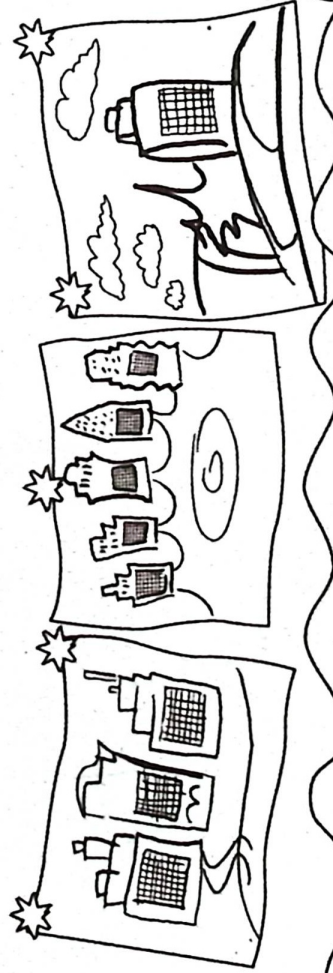
East Street.

There are three buildings.

Help her count.

There are _____ windows.

Hundreds of Windows



The children drew pictures back

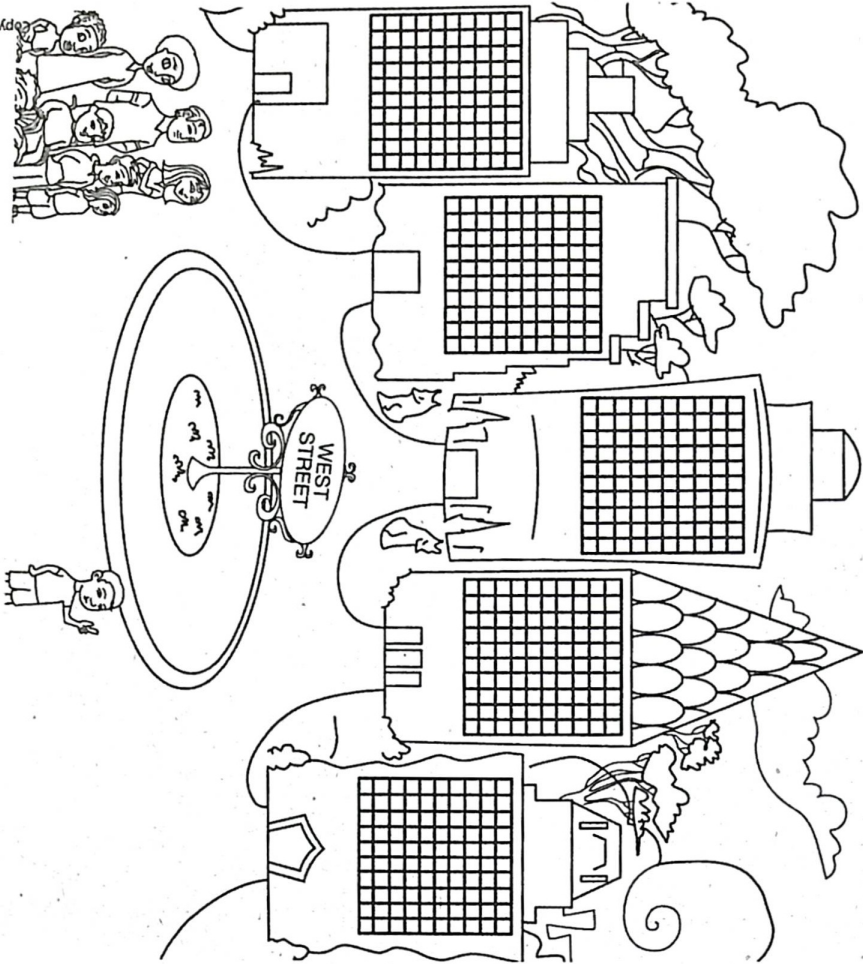
at school.

These are the buildings they saw.

Help them count all the windows.

There are _____ windows in all.

fold down



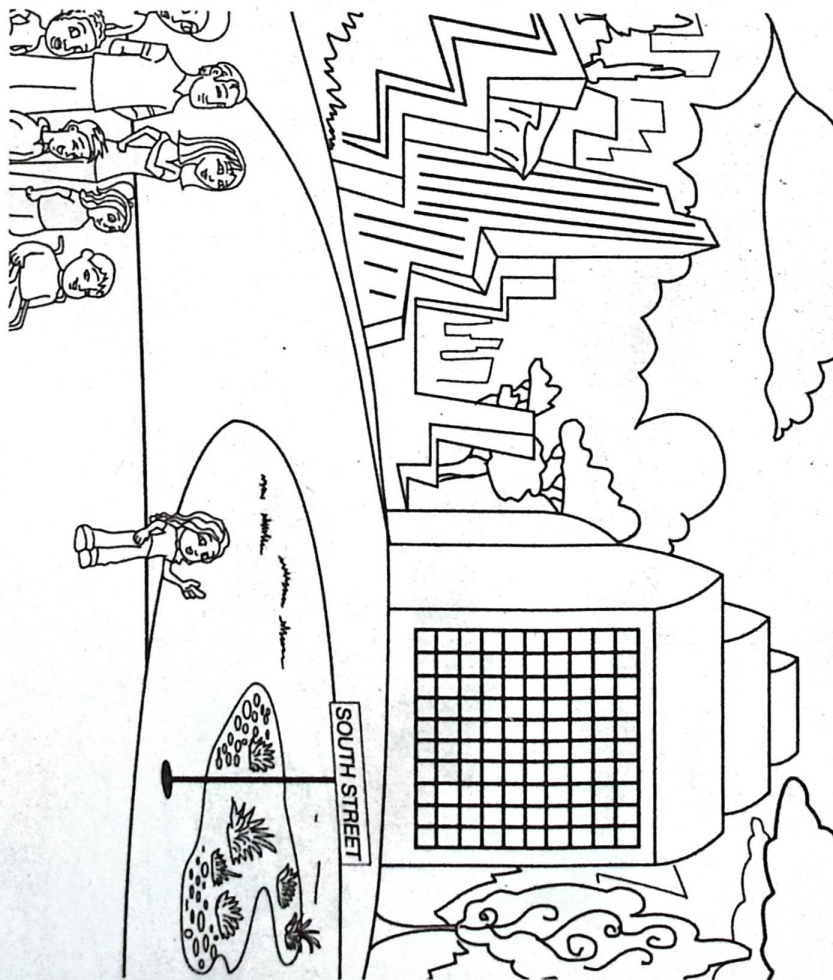
**Scott will count the windows on
West Street.**

There are five buildings.

Help him count.

There are _____ windows.

fold up



**Elena will count the windows on
South Street.**

**Help her count the windows in the
brown building.**

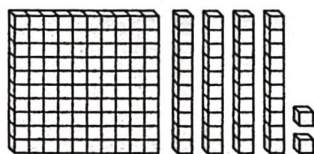
There are _____ windows.

Numbers to 1,000

Dear Family,

In this topic, your child is learning to read and write numbers to 1,000. Your child will use place value, or the value of each digit in a number, to identify and record 3-digit numbers in expanded, standard, and word form. Your child will also learn how to skip count by 5s, 10s, and 100s on a number line, and compare numbers using place value and a number line. He or she will also be using mathematical reasoning involving place value to solve problems. Below is an example of writing a number in different ways:

Expanded, Standard, and Word Forms



Expanded form : $100 + 40 + 2$

Standard form : 142

Word form : One hundred forty-two

Expanded, Standard, and Word Forms of Numbers

Materials Newspapers or magazines, scissors, glue, paper, pencil

Have your child cut out 4 three-digit headline-sized numbers from magazines or newspapers. Have your child glue each number to the top of a half sheet of paper. Then ask him or her to write each number in expanded form and word form. Have your child read each number to you using the different forms.

Observe Your Child

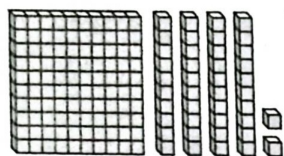
On the left side of a piece of paper, write four numbers from 0 to 1,000 in word form. On the right side of the paper, write the same four numbers in standard form, but in a different order. Ask your child to match the forms of the numbers and explain why each answer makes sense. If your child is having difficulty, encourage him or her to persevere.

Números hasta 1,000

Estimada familia:

En este tema, su niño(a) está aprendiendo a leer y escribir números hasta 1,000. Usará el valor de posición, o el valor de cada dígito en un número, para identificar y anotar números de 3 dígitos en forma desarrollada, forma estándar y en palabras. Su niño(a) también aprenderá a contar de 5 en 5, de 10 en 10 y de 100 en 100 en una recta numérica, y a comparar números usando el valor de posición y una recta numérica. También va a usar el razonamiento matemático que incluye el valor de posición para resolver problemas. A continuación se muestra un ejemplo de cómo escribir un número de diferentes maneras:

Formas desarrollada, estándar y en palabras



Forma desarrollada : $100 + 40 + 2$

Forma estándar : 142

En palabras : Ciento cuarenta y dos

Números en forma desarrollada, estándar y en palabras

Materiales Periódicos o revistas, tijeras, pegamento, papel, lápiz

Pídale a su niño(a) que recorte 4 números de tres dígitos de los titulares de revistas o periódicos. Pídale que pegue cada número en la parte superior de la mitad de una hoja de papel. Luego, pídale que escriba cada número en forma desarrollada y en palabras. Pídale a su niño(a) que lea cada número usando las diferentes formas.

Observe a su niño(a)

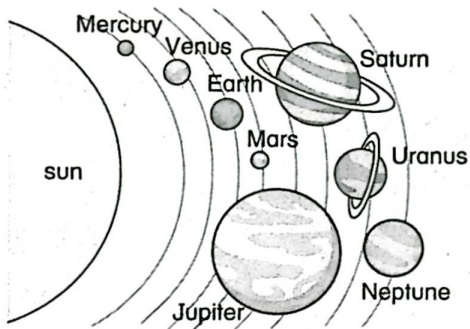
En el lado izquierdo de una hoja de papel, escriba en palabras cuatro números del 0 al 1,000. En el lado derecho de la hoja, escriba los mismos cuatro números en forma estándar, pero en un orden diferente. Pídale a su niño(a) que empareje las formas de los números y explique por qué cada respuesta tiene sentido. Si su niño(a) tiene dificultades, anímelo(a) para que persevere.

Name _____

Pick a Project

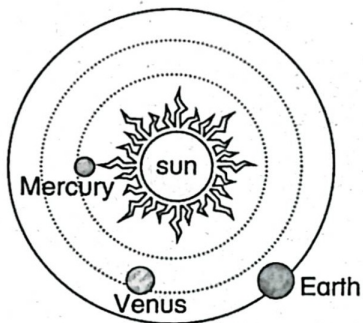
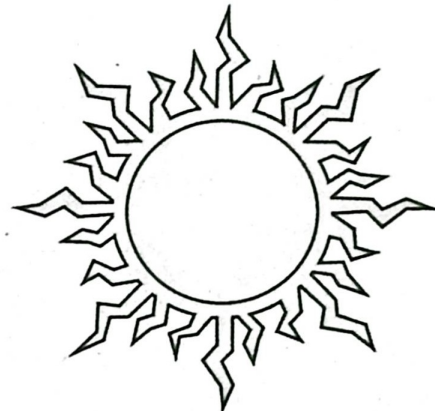
Project 9A

How Hot Is Hot?



There are 8 planets in our solar system.
All of the planets move around the sun.

The sun is a star. It is made of hot burning gas. It warms Earth, even though it is almost 93 million miles away.



The three planets closest to the sun are Mercury, Venus, and Earth. Mercury and Venus are much hotter than Earth.

Your Project Make a Planets Poster

Choose two of the three planets closest to the sun. Make a poster with pictures of these planets. Find the highest temperature in degrees Fahrenheit for each planet. Write the temperatures and model each number with pictures of place-value blocks. Circle the greater temperature. You may include a few facts for each planet on your poster.

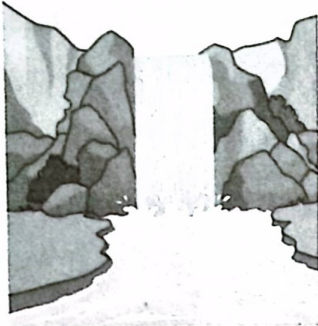
Mercury	Venus
	
	

Name _____

Pick a Project

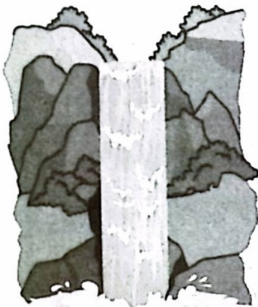
Project 9B

Amazing Waterfalls



A waterfall forms when a river or stream flows over a high ledge. This water drops into more water below.

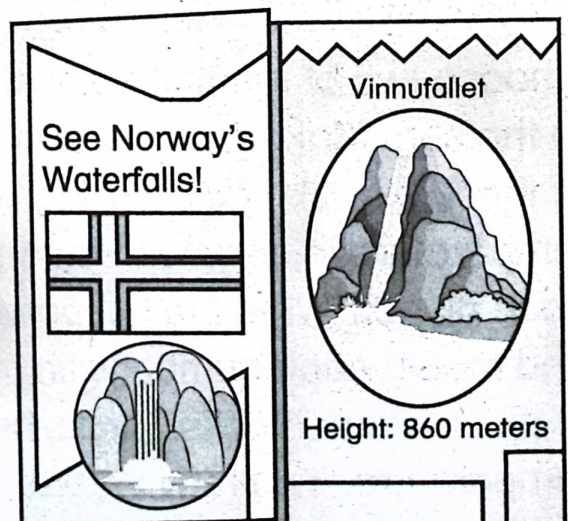
Some waterfalls are very small. Some waterfalls are very tall, and others are wide.



The world's tallest waterfall is Angel Falls in South America. It is about 979 meters tall.

Your Project Design a Waterfall Guide

Choose Hawaii, Venezuela, or Norway. Then find information about three waterfalls you can visit there. Find the height of each waterfall (in meters). Fold a piece of paper in thirds to make a guide for visitors. Draw a picture of each waterfall and include its name and height. Show the order of the heights from least to greatest in the guide.

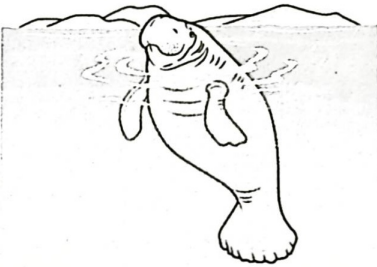


Name _____

Pick a Project

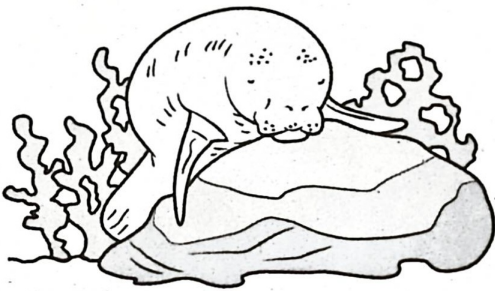
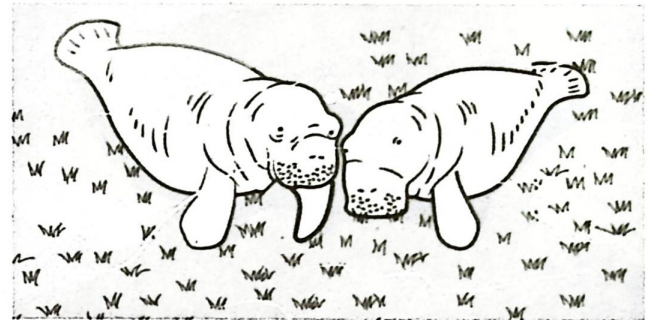
Project 9C

Solve Weight Riddles



The manatee is a very large mammal.
It is also called a sea cow.

Manatees live in the water and eat water plants. They can move, but they are slow swimmers.



Manatees weigh from 60 to 70 pounds at birth. Adult manatees can weigh from 800 to 1,200 pounds.

Your Project Create an Animal Riddle Booklet

Find 3 animals that weigh between 100 and 900 pounds. Make a booklet with a riddle about each animal's weight. Give clues for the place values of the digits in the weights. Make an answer line where a friend can write the weights. Draw pictures of the animals and add facts if you wish. Include the answers on the last page.

