# THE CAMPING PROJECT: REAL LIFE MATH PROJECT

Incorporate practical, real-life application of math concepts as your students embark on a hike and camping trip!

This project will reinforce:

- multi-step word problems
- symmetry
- fractions and decimals
- money
- basic operations
- graphing and data interpretation
- measurement

and more!



CREATED BY SHELLEY GRAY

# **ABOUT THIS RESOURCE**

Are you looking for a way to reinforce essential math concepts in an engaging way that helps your students make connections? "The Camping Project" is a **real-life math project** where students will complete thirteen different tasks, each one focusing on a variety of math skills. This project will help your students see how math is used in real life.

You might choose to print specific tasks to use during Math centers, or you might make a booklet out of all of the tasks and let your students choose which one to do when. The choice is yours.

Take a look at what you'll find inside this math project:

#### **TASK #1: CAMPING SUPPLIES**

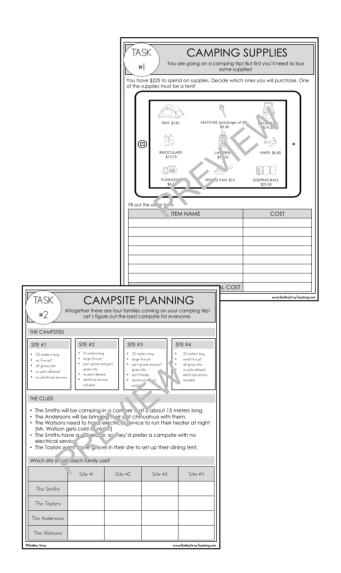
You are going on a camping trip! But first you'll need to buy some supplies. You have \$225 to spend. Decide what you will purchase.

Math Skills: addition, money

# **TASK #2: CAMPSITE PLANNING**

Altogether there are four families coming on your camping trip! Let's figure out the best campsite for everyone.

Skills: using criteria to eliminate options



### TASK #3: GROCERY SHOPPING

You're in charge of grocery shopping for your family. What will you buy?

Math Skills: multiplication, addition, money

## **TASK #4: FIREWOOD**

What's the most important part of camping? The bonfire of course! We'll need to make sure that there's enough firewood to last the entire weekend!

Math Skills: multiplication, division, elapsed time

#### TASK #5: TIME FOR S'MORES

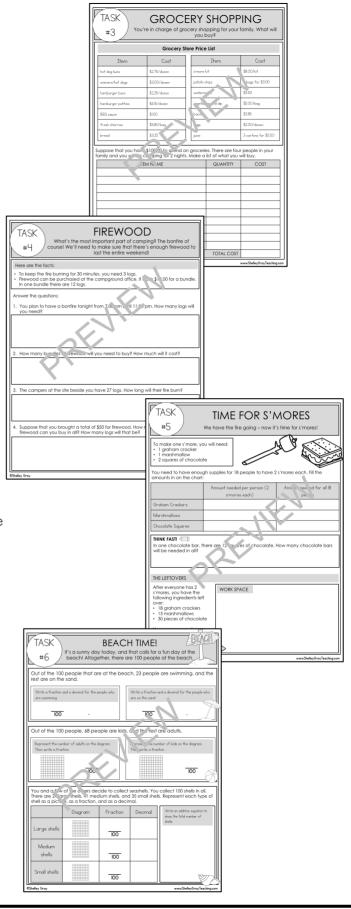
The fire is going - now it's time for s'mores! Let's make sure that we have enough for everyone!

Math Skills: multiplication, division

# TASK #6: BEACH TIME!

It's a sunny day today, and that calls for a fun day at the beach! Let's work with the people at the beach and a seashell collection!

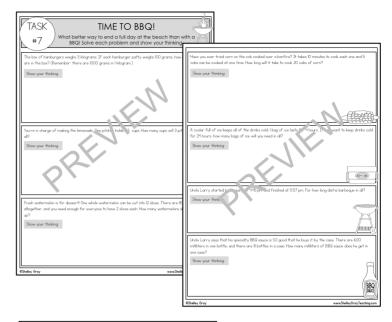
Math Skills: fractions, decimals, hundredths, addition



#### TASK #7: TIME TO BBQ!

What better way to end a full day at the beach than with a BBQ! Solve each problem and show your thinking.

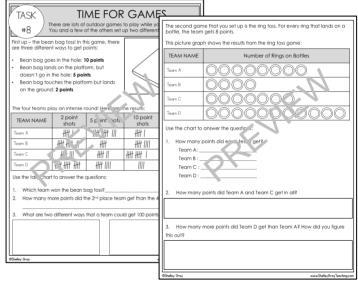
Math Skills: multiplication, division, addition, subtraction, elapsed time multi-step word problems



# **TASK #8: TIME FOR GAMES**

There are lots of outdoor games to play while you are camping. You and a few of the others set up two different games to play.

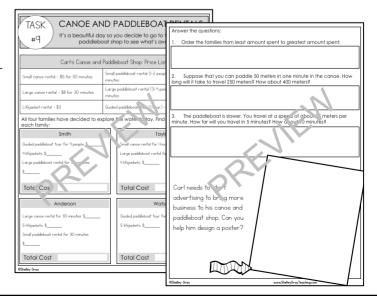
Math Skills: graphing and data interpretation, addition, subtraction



# TASK #9: CANOE AND PADDLEBOAT RENTALS

It's a beautiful day so you decide to go to the canoe and paddleboat shop to see what's available! Let's find the total cost for each family.

Math Skills: money, multiplication, addition, comparing



# TASK #10: GOING FOR ICE CREAM

After the hike you're starving! Let's go to the campground ice cream shop! First we'll take a look at a few customer orders, then we'll figure out the total for our extra-large order!

Math Skills: money, addition, subtraction

### TASK #11: GOING FOR A HIKE

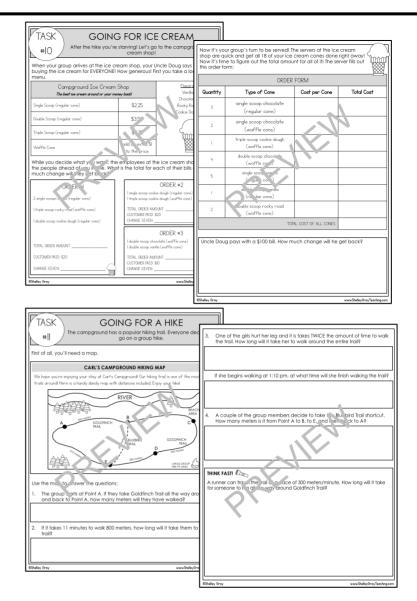
The campground has a popular hiking trail. Everyone decides to go on a group hike. Use the map to answer the questions.

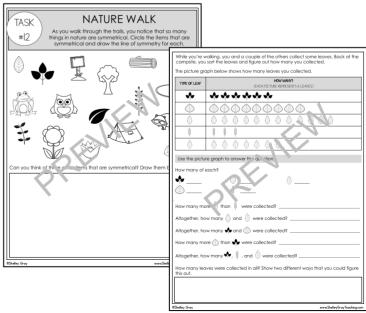
Math Skills: measurement, addition, subtraction, elapsed time

# **TASK #12: NATURE WALK**

As you walk through the trails, you notice that so many things in nature are symmetrical. Circle the items that are symmetrical and draw the line of symmetry for each. Then interpret the leaf collection data.

Math Skills: symmetry, multiplication, addition, subtraction, graphing and data interpretation

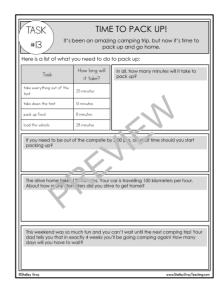




#### TASK #13: TIME TO PACK UP

It's been an amazing camping trip, but now it's time to pack up and go home. Let's figure out how long it will take to pack up and get home.

Math Skills: addition, elapsed time, problem-solving



#### ANSWER KEYS ARE PROVIDED TO MAKE SELF-CHECKING EASY!

# WAYS TO USE MATH PROJECTS IN YOUR CLASSROOM:

Math projects are an ideal way to consolidate learning. I recommend using them as an engaging activity AFTER skills have been learned rather than during learning. You will likely find that engagement is very high and that your students ask to do more of these!

There are many ways to use math projects in your classroom. Some of the most popular are:

- a small-group or pairs activity
- a guided math activity to allow you to see where your students are struggling
- a fun, rewarding way to engage your early finishers
- a low-prep, easy-to-implement activity for a substitute teacher

Enjoy!

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