## A Real Life Math Project

## RUN AN ICE CREAM SHOP MATH PROJECT

In this math project, students will use beginning fraction skills to work with the various aspects of running an ice cream shop:

- working with simple fractions
- identifying the part and the whole
- representing fractions with a visual model
- fractions on a number line
- comparing simple fractions and more!


## CREATED BY SHELLEY GRAY

## ABOUT THIS RESOURCE

Are you looking for a way to reinforce fraction concepts in an engaging way that helps your students make connections? "Run an Ice Cream Shop" is a real-life math project where students will complete nine different tasks, each one focusing on beginning fraction skills. This project will help your students see how fractions are 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: PLANNING YOUR ICE CREAM SHOP

This activity will get students excited about the project. They'll be brainstorming a name for their ice cream shop and designing an advertisement.

## TASK \#2: MAKING CONES

The ice cream cones are the most popular items at your shop! Shade each picture according to the fractions.

Skills: simple fractions, visual models


TASK \#3: SERVING GROUPS
A lot of families and groups come into your ice cream shop. Let's take a look at a few of them who visited today!

Skills: fractions in numbers, fractions in words, fractions on a number line

## TASK \#4: SUPER SUNDAES

Sundaes are the next most popular item at your ice cream shop. Let's see what you're making today!

Skills: fractions in numbers, fractions in words, fractions as pictures

## TASK \#5: ORDER UP!

Here are just a few of the orders from today! Represent each order in a variety of different ways.

Skills: fractions in numbers, visual models

\#3 Let's take a look at a few of them who visited today!


You have a now order for 6 surdoses The customer told you to make sorne hot fudge, some chooslote chip, and some strawberry Decorate eoch sundoe and then fudge, ,ome chooslofe chip, ond
wite a froction for eoch $k$ kind


## TASK \#6: WAFFLE CONE OR REGULAR?

Let's see which type of cone is more popular.
Skills: picture graphs, fractions as visual models, comparing fractions with the same denominators

## TASK \#7: OTHER COLD TREATS

Your ice cream shop offers other cold treats as well!

Skills: problem-solving with fractions, representing fractions with pictures and visual models

## TASK \#8: ROOT BEER FLOATS

Root beer floats are a popular menu item. Let's take a look at how we make each one!

Skills: representing fractions


TASK \#9: THE ICE CREAM TRUCK
Today you're heading out to the streets with your ice cream truck!

Skills: representing fractions, fractions on a number line, fractions in word form, comparing fractions

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(s) symbol.

$$
\begin{array}{lll}
\frac{2}{5} \square \frac{5}{5} & \frac{3}{4} \square \frac{2}{4} \\
\square \frac{1}{3}
\end{array}
$$

## PLUS A BONUS BRAINSTORMING PAGE

to make more real life conbrections


## 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!

Shelley Gray
www.ShelleyGrayTeaching.com

