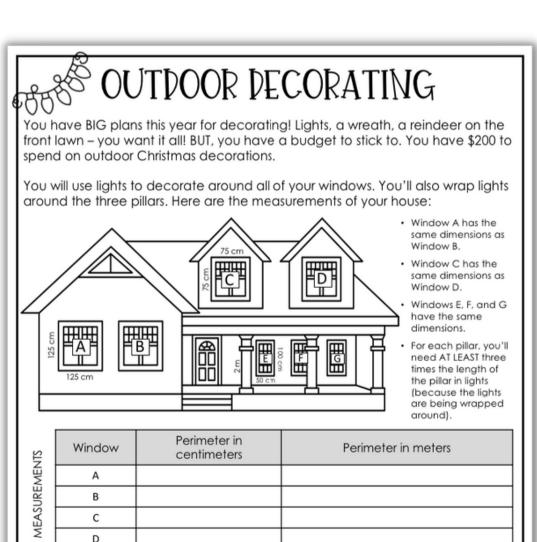
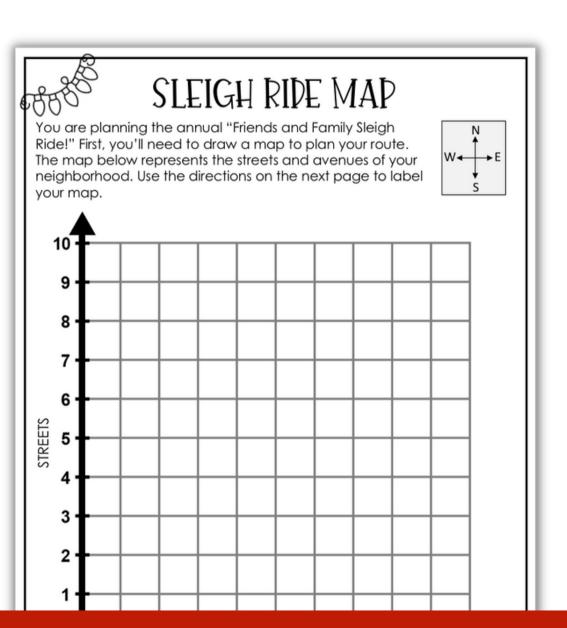


CHRISTMAS MATH PROJECT



F





This Christmas Math Project is designed to help your students practice essential skills like

perimeter fractions operations graphing money

with a fun holiday theme that will keep them begging for more!



Nine different math tasks are included. Your students will...



OUTDOOR DECORATING As you figure out what you need for outdoor decorating, write your order below Cost/Item Total Cost AND OUTDOOR DECORATING Now that the lights are figured out, it's time to decide on the other decorations! First of all, how much money did you spend on the lights? You had a budget of \$200 in all for outdoor decorating, so how much is You browse online for some other outdoor decorations and find the following options. Add some decorations to your order form. Remember TOTAL COST

OUTDOOR DECORATING

You have BIG plans this year for decorating! Lights, a wreath, a reindeer on the front lawn - you want it all! BUT, you have a budget to stick to. You have \$200 to

You will use lights to decorate around all of your windows. You'll also wrap lights

to stay within your budget!

lights...\$54.95

Red and white Christmas

anta's Workshop package...\$12.00

@Shelle

The North Pole package...\$1

The night before Christmas package...\$10.00

around the three pillars. Here are the measurements of your house:

Perimeter in

centimeters

Length of pillar

spend on outdoor Christmas decorations.

Window

В

C D

F

G

Pillar

1

@Shellev Grav

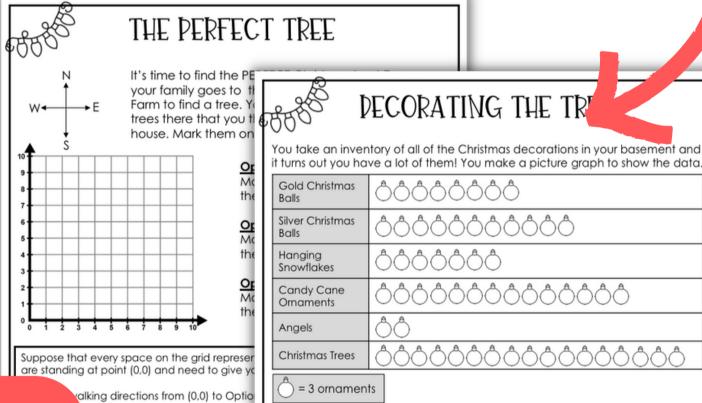
Make a plan for outdoor decorating (and stay within budget) Skills: area, perimeter,

www.ShelleyGrayTeaching.com

converting measurements, money

Find and decorate the perfect tree

Skills: graphing and data interpretation, directions



Use the picture graph to answer the questions:

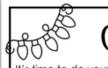
- How many gold and silver Christmas balls are there in all? Write a multiplication equation to show your work.
- How many more candy cane ornaments than hanging snowflakes are
- How many more Christmas trees and angels than silver Christmas balls are
- Altogether, how many decorations are there?
- How did you figure out #4?

©Shelley Gray

king directions from Option A to C

king directions from Option B to C

www.ShelleyGrayTeaching.com



CHRISTMAS BAKING

Preheat oven to 350 degrees.

Which two kinds of cookies did you decide to make?

In a large bowl, cream butter and sugar together for

about a minute until it's light and fluffy. Add the egg

Add in flour, baking soda, baking powder, and salt. Mix

SHOPPING LIST

shopping list

Now that you know which kinds of cookies you're making, it's time to

shopping list for the ingredients. Write each ingredient and the amount

t's time to do your Christmas baking! You have decided to make 2 different kinds of cookies this year, but you're not sure which ones. There are three different recipes below. Draw a star beside the two that you will choose.

need to buy

@Shelley Gray



cup ananulated sugar

2 1/2 tsp vanilla extract

2 1/2 cups all purpose flour

/2 tsp baking soda

/2 tsp baking powde 4 tsp salt

cups all-purpose flour

tablespoon around ainaer

teaspoons bakina sada

3/4 cup shortening

cup white sugar

¹4 cup dark molasses V3 cup cinnamon sugar

sup softened butter

cup brown sugar 4 cup white sugar

and 1/2 cups all purpose flou

tsp baking sodo inch salt

©Shelley Gray

SHOPPING LIST

Suppose that you want to make a double batch of Soft and Chewy Sugar Cookies to take to school. Write down the amount of each ingredient that you

Ingredient	Amount Needed for One Batch	Amount Needed for Two Batches

Plan a shopping list for Christmas baking

Skills: fractions

Figure out which Christmas sweater is the best option for each friend

Skills: graphing, logic



FESTIVE CHRISTMAS SWEATERS

Clues:

- 1. Sweater #1 and Sweater #6 won't be worn by Jill or Anna.
- 2. Felix doesn't want to spend any more than \$25.00 on his sweater.
- 3. Cody wants a sweater with some writing on it
- 4. Jill needs a size medium.
- 5. Maddox and Anna do not like cats, and wor cat on it!
- 6. Maddox is the only one out of the friends tha
- Cody can spend up to \$30.00 on his sweate
- Anna and Marcus don't want the snowman
- 9. Marcus wants the most colorful sweater he

Write each person's name beside his/her Christn



@Shelley Gray







What is the total cost of all 6 Christmas sweaters



You and your friends are going to a Festive Christmas Sweater Party! You buy yourself a great Santa sweater! Now you need to order a <u>different</u> sweater for each of your 6 friends. Use the clues on the next page to figure out which one you'll need to order for



	Jill	Marcus	Anna	Cody	Felix	Maddox
#1						
#2						
#3						
#4						
#5						
#6						



\$22.50 Available in sizes S, M, L Most colorful sweater available



Available in sizes S, M, L, XL



Available in sizes S, L, XL



Available only in size XL



CHRISTMAS DINNI You are hosting Christmas dinner this year! It's really of your aunts, uncles, and cousins are able to make make a list of the people who will be coming: christmas dinner, gi Uncle Dale and Aunt Terry and their kids - Tysor Uncle Ron and his kids - Jaxon, Clarke, and Hudson Grandma Lorraine Great Aunt Rose and Mom, Dad, and your CHRISTMAS DINNER Counting yourself, how man You are trying to decide whi Which room will work the best to host Christmas dinner? Why? everyone sit for dinner. You' person. This means that you' GROCERY LIST **KITCHEN** It's time to plan the grocery list! The chart below shows the food that yo will need. Fill in the chart with the number of people, and then calcu how much of each item you will need to buy. You have two tables that you'll use to seat everyon ϵ meter by 7 meters and the second table is 1 meter t tables in the room. Remember to leave at least 2 m DINING ROOM tables and the walls. Number Total Amount Total Cost Needed per Person Area= \$4.50 500 grams \$10.00 300 grams 300 grams \$4.45 2 cups \$9.95 1 cup My students always love a \$2.50 challenge and this resource was \$6.50

it! They had so much fun trying to work through the engaging tasks. This was also great for group and partner work!



Skills: area, perimeter, multiplication, money

TOTAL COST

www.ShellevGravTeachina.com



CHRISTMAS MOVIE MARATHON

Don't you just love the movies during the Christmas season? You've decided that you are going to have a Christmas movie marathon on December 23. You will watch 4 different Christmas movies that day. Here

losed Reindeer - 50 minutes 95 minutes minutes et - 100 minutes

e length of each movie in hours and minutes:

Number of Minutes		Number of Hours and Minutes				
	minutes	hours minutes				
	minutes	hours minutes				
	minutes	hours minutes				
	minutes	hours minutes				

www.ShellevGravTeachina.com

CHRISTMAS MOVIE MARATHON

Now it's time to plan your schedule for the day! You'll start the movie marathon at 10:00 am. You'll be watching all four movies, but you'll also need to plan time to have lunch, make popcorn, and of course have some breaks! Plan your schedule below:

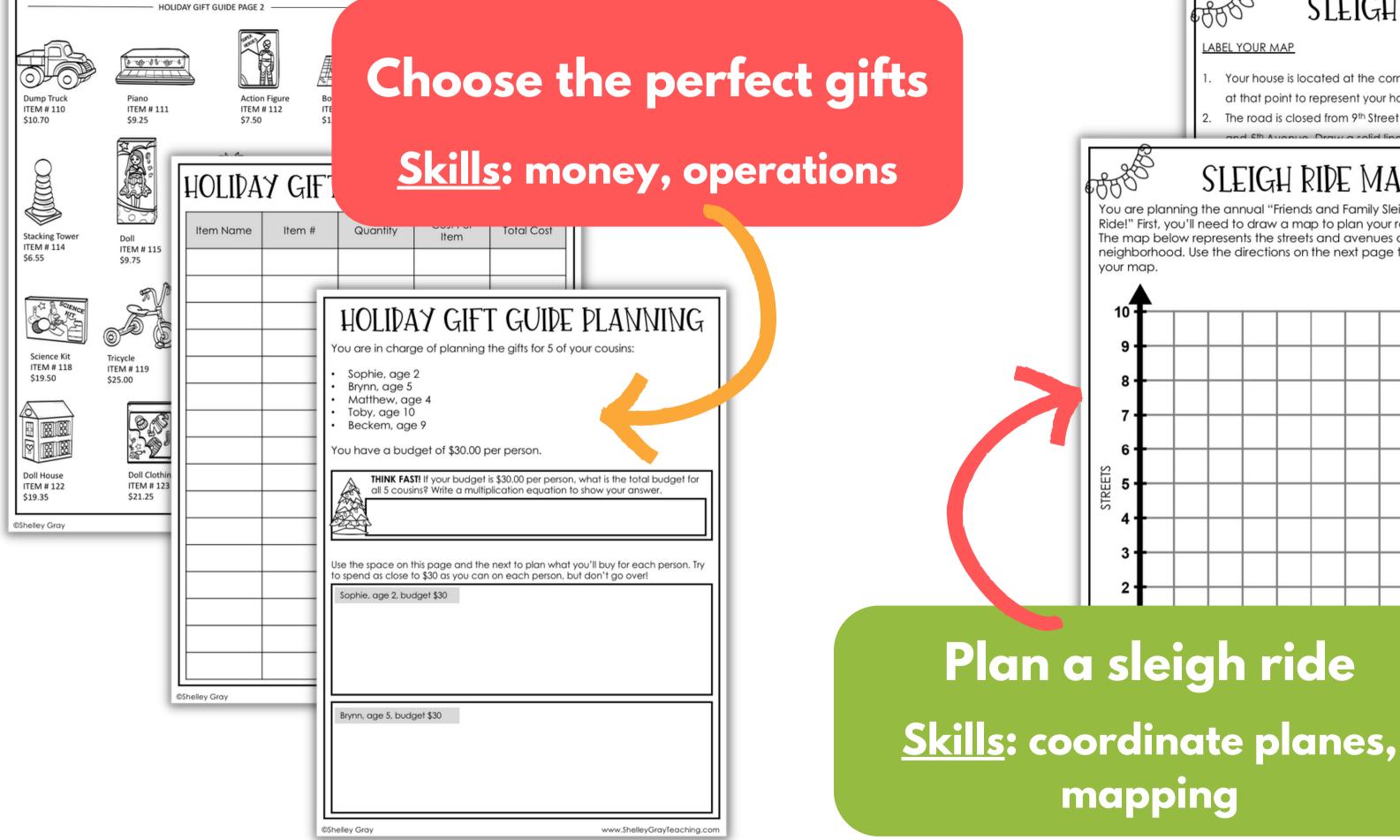
What?		Start Time	End Time
,	Watch "Rudolph the Red- Nosed Reindeer"	10:00 am	
▶	15 minute break		
	atch "A Christmas Story"		
	30 minute lunch break		
	Watch "Home Alone"		
	15 minute break to make popcorn		
	Watch "Miracle on 34 th Street"		
	·		

If you stay on schedule all

THINK FAST! For how long will you watch Christmas

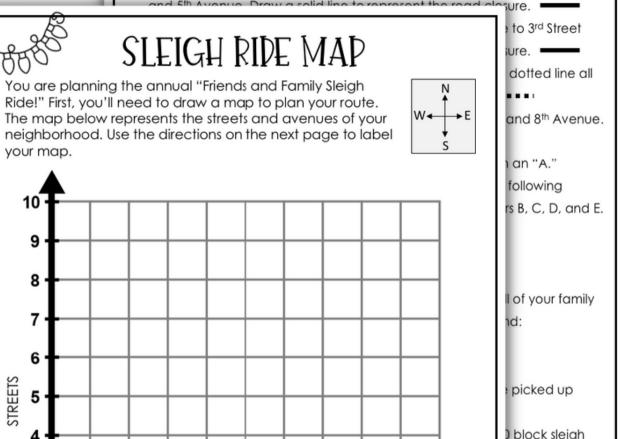
Plan a Christmas movie marathon

Skills: elapsed time, converting minutes to hours



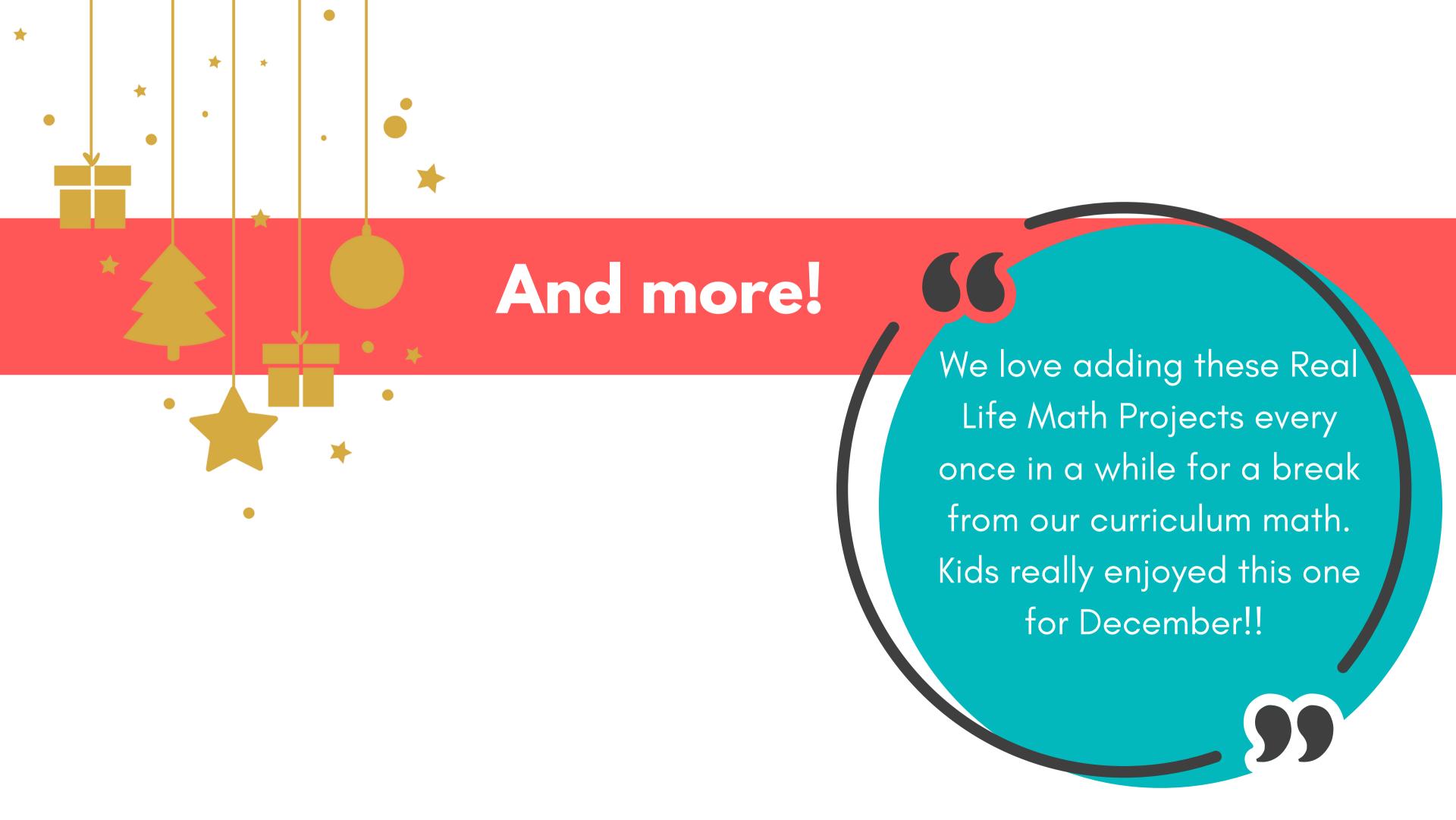
SLEIGH RIDE MAP

- Your house is located at the corner of 6th Street and 7th Avenue. Draw a at that point to represent your house.
- The road is closed from 9th Street and 1st Avenue, all the way to 9th Street

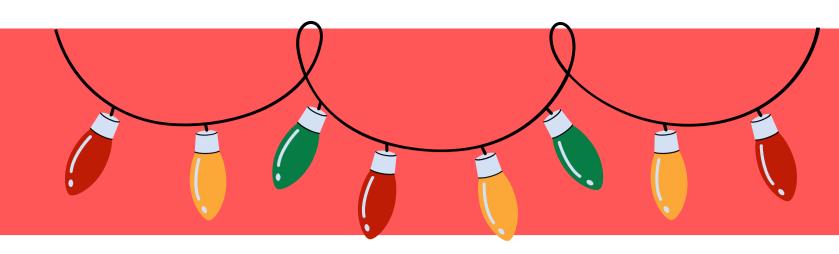


elleyGrayTeaching.com

ayTeaching.com



Ideas for Use



Make a Christmas project booklet for each student. Have students use the tasks as early finisher activities throughout December.

Use the individual tasks as center activities throughout the month. Place one task at each center.

Use as activities for a substitute teacher.

Keep your students engaged and motivated during that chaotic last week before holidays by allowing them to work on these activities in partners.

Ready to simplify your Christmas math planning this year?



