

THANKSGIVING DINNER

MATH PROJECT

TASK #6 THANKSGIVING GAMES
 Thanksgiving Games is one of your favorite traditions. This year you've planned some fun games for all your guests!

TURKEY TROT RACE

The first game is the turkey trot race. The chart below shows the times for each team.

TEAM NAME	TIME TO COMPLETE RACE
Last But Not Feast	1 minute 32 seconds
	1 minute 20 seconds
	1 minute 50 seconds
	1 minute 45 seconds
	1 minute 30 seconds

Write the teams in order from 1st place to 5th place. The fastest team is the winner.

1st place
2nd place
3rd place
4th place
5th place

TASK #5 TIME FOR PIES
 You've decided to make three different kinds of pie: apple, pecan, and of course - pumpkin.

MOST POPULAR KINDS OF PIES

APPLE PIE	
PECAN PIE	
PUMPKIN PIE	

= 2 people

TASK #4 GROCERY SHOPPING
 Now it's time to shop! Let's find all the groceries that you will need for the Thanksgiving feast.

Let's start with the turkey. This turkey costs \$18.00. Draw two different ways to make \$18.00 with bills or coins.



Next is the dinner rolls. Here are rolls in one bag.



How many? _____

How do you know? _____

You decide to buy 2 bags of dinner rolls. How many altogether? _____

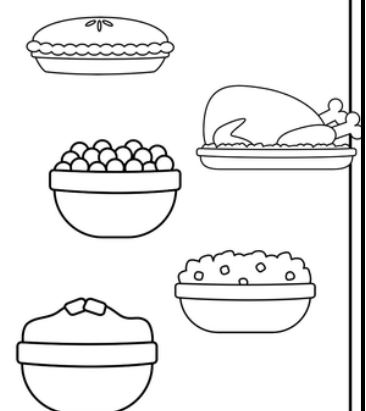
The next item on the list is vegetables. You'll need corn, Brussels sprouts, and beans. Solve the logic problem to find the cost for one package of each.

	-		=	\$2.00		=	_____
	+		=	\$6.00		=	_____
	+		=	\$1.00		=	_____

TASK #3 PLANNING FOR GUESTS
 Each of these family members has a different favorite food. Use the clues to find each one.

CLUES (Place an X or ✓ in the boxes as you solve each clue):

- Cousin Jeremy does not like stuffing.
- Either Uncle Larry or Grandma likes pumpkin pie the best.
- Grandma's favorite food is not meat.
- Rover doesn't like fruit.
- Grandma's favorite food is not a dessert.
- Cousin Jeremy's favorite food can be mashed or baked.
- The one who likes turkey the best is not a person.
- Aunt Sue doesn't like cranberry sauce.



	TURKEY	STUFFING	CRANBERRY SAUCE	POTATOES	PUMPKIN PIE
GRANDMA					

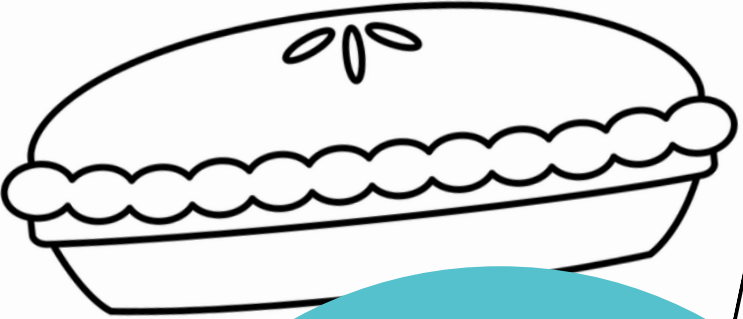
GRADES
2-3

Shelley Gray

Math Projects are a fantastic way to show students that math is all around us.

Real-life connections help students see math as relevant and meaningful.

Thanksgiving Dinner MATH PROJECT




Name _____

TASK #4

GROCERY SHOPPING

Now it's time to shop! Let's find all the groceries that you will need for the Thanksgiving feast.

Let's start with the turkey. This turkey costs \$18.00. Draw two different ways to make \$18.00 with bills or coins.



is the dinner rolls. Here are rolls in one bag.

How many? _____

How do you know? _____

You decide to buy 2 bags of dinner rolls. How many are there altogether? _____

is vegetables. You'll need corn 🌽, Brussels sprouts 🥬, and green beans 🥒. Write a problem to find the cost for one package of each.

\$2.00 = _____

\$6.00 = _____

🥔 = \$14.00

_____ = _____

_____ = _____

_____ = _____

ing without potatoes! Skip-count to find the total number of potatoes in one bag.

What if you bought double this number of potatoes? How many would you have? _____

Write an equation to represent the number of potatoes.

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Real-life connections!

Here is a skill breakdown of each task:



TASK #1 **TIME TO PLAN!**
Thanksgiving is coming and you are planning this year's gathering! Let's get started!

Write a text message conversation between you and a family member or friend, inviting them to Thanksgiving dinner.

Thanksgiving Meal Brainstorm
Before you plan the Thanksgiving meal, you should brainstorm all the possible items you include. Write all your Thanksgiving feast ideas below.

TASK #1: Time to Plan

TASK #2 **HOW MANY DAYS LEFT?**
You have a lot to do! First let's figure out how many days are left until Thanksgiving, so you know how much time you have.

COMPLETE THE TASKS ON THE CALENDAR BELOW:

- Write the month in the top rectangle.
- Write the days of the week in the second row.
- Write a number in each square to represent the days of the month.
- Draw a star on today's date.
- Draw a piece of pie on Thanksgiving Day.

Month: _____

USE THE CALENDAR TO ANSWER THE QUESTIONS:

How many more days are there until Thanksgiving? _____

How many more Saturdays are there until Thanksgiving? _____

How many more Sundays are there until Thanksgiving? _____

TASK #2: How Many Days Left?
Skills: calendar

TASK #3 **PLANNING FOR GUESTS**
Each of these family members has a different favorite food. Use the clues to find each one.

CLUES (Place an X or ✓ in the boxes as you solve each clue):

- Cousin Jeremy does not like stuffing.
- Either Uncle Larry or Grandma likes pumpkin pie the best.
- Grandma's favorite food is not meat.
- Rover doesn't like fruit.
- Grandma's favorite food is not a dessert.
- Cousin Jeremy's favorite food can be mashed or baked.
- The one who likes turkey the best is not a person.
- Aunt Sue doesn't like cranberry sauce.

	TURKEY	STUFFING	CRANBERRY SAUCE	PUMPKIN PIE
GRANDMA				
AUNT SUE				
COUSIN JEREMY				
UNCLE LARRY				
THE DOG, ROVER				

Turkey: _____ Potatoes: _____
 Stuffing: _____ Pumpkin Pie: _____
 Cranberry Sauce: _____

TASK #3: Planning for Guests

Skills: logic and critical thinking

Many skills included

TASK #4 **GROCERY SHOPPING**
Now it's time to shop! Let's find all the groceries that you need for the Thanksgiving feast.

Let's start with the turkey. This turkey costs \$18.00. Draw two different ways to make \$18.00 with bills or coins.

Next is the dinner rolls. Here are rolls in one bag.

How many? _____
 How do you know? _____

You decide to buy 2 bags of dinner rolls. How many altogether? _____

On the list is vegetables. You'll need corn, Brussels sprouts, and potatoes. Solve the logic problem to find the cost for one package of each vegetable.

_____ = \$2.00
 _____ = \$6.00
 _____ + _____ = \$14.00

Write an equation for the total cost of the vegetables.

What if you bought double this number of potatoes? How many would you have? _____

Describe the pumpkin puree you purchased with these cans of pumpkin puree.

How many cans in all? Can you count them without counting one by one? _____

You look closer at the pumpkin cans and notice there are three stacks like the picture shown, each with the same number of cans. How many cans of pumpkin are there in all? _____

You also need to buy some apples to make apple pie. This bin is full of apples. **Estimate** how many apples are in the bin.

Explain how you estimated the number of apples in the bin.

OUR DELICIOUS APPLES

Lastly, you decide to buy some pumpkins. You will spend \$30 on pumpkins. How many large, medium, and small pumpkins will you buy?

LARGE PUMPKIN \$8 MEDIUM PUMPKIN \$6 SMALL PUMPKIN \$4

TASK #4: Grocery Shopping

Skills: money, arrays, addition, skip counting, shapes, estimation

TASK #5 **TIME FOR PIE!**
You've decided to make three different kinds of pie – pecan, and of course – pumpkin pie!

MOST POPULAR KINDS OF PIE

APPLE PIE	
PECAN PIE	
PUMPKIN PIE	

= 2 people

The graph above shows your guests' preferred kinds of pie. Use the graph to answer the questions.

- How many people prefer pumpkin pie? _____
- How many people prefer apple pie? _____
- What does represent? How do you know? _____
- How many more people prefer pumpkin pie than pecan pie? _____
- How many people were surveyed to create this picture graph? _____

You are going to make 6 pies in all. How many apple, pecan, and pumpkin pies do you think you will make?

TASK #5: Time for Pie

Skills: picture graph (1:2 representation), data interpretation

TASK #6 **THANKSGIVING GAMES**
Thanksgiving Games is one of your favorite traditions. This year you've planned some fun games for all your guests!

TURKEY TROT RACE
The first game is the turkey trot race. The chart below shows the times for each team.

TEAM NAME	TIME TO COMPLETE RACE
Last But Not Feast	1 minute 32 seconds
The Gobblers	1 minute 20 seconds
Pumpkin Spice	1 minute 50 seconds
Thanks, But No Thanks	2 minutes 5 seconds
Pumpkin Party	1 minute 17 seconds

Write the teams in order from 1st place to 5th place.

FIND THE FEATHERS
The final game is Find the Feathers. Each team must search for as many of the hidden feathers as they can. The winning team is the one who finds the most feathers.

TEAM: LAST BUT NOT FEAST
How many feathers did Last But Not Feast find? Write an equation.

TEAM: THE GOBBLERS
How many feathers did The Gobblers find? Write an equation.

TEAM: PUMPKIN SPICE
How many feathers did Pumpkin Spice find? Write an equation.

TEAM: THANKS, BUT NO THANKS
How many feathers did Thanks, But No Thanks find? Write an equation.

TEAM: PUMPKIN PARTY
How many feathers did Pumpkin Party find? Write an equation.

Which team found the most feathers?

TASK #6: Thanksgiving Games

Skills: ordinal numbers, minutes and seconds, repeated addition or multiplication with arrays

TASK #7 **DESIGNING THE CENTERPIECE**
Shade the picture below to show what the centerpiece looks like.

RED: 20 BROWN: 45
ORANGE: 65 GREEN: 35
YELLOW: 50 BLUE: 12

25+25 35+15 36+14 55-10 10-5
45+5 52-2 61-11 24+26 48-3
98-48 43+7 23+22
76-26 51-6 35+10 100-55 85-40
6+6 47-2 31+14 15+30 25+10
50-5 38+7 33+12 41+24 35+30
26+9 25+20 14+21 75-10 61+4
31+4 17+3 4-12 28+37
45-10 40-20 70-5
20-8 9+3

TASK #7: Designing the Centerpiece

Skills: addition & subtraction within 100

TASK #8 **PROBLEM-SOLVING**
Solve the Thanksgiving problems.

- After a big turkey supper, Uncle Larry has a nap. He falls asleep at 7:40 pm and sleeps until 8:00 pm. How long was Uncle Larry's nap?

 Nap start time _____ Nap end time _____
- You have \$40 to spend on Thanksgiving decorations. You spent \$19 at one store and \$18 at another store. How much money do you have leftover?

- Your family is driving from a different town to get to your house for Thanksgiving. Usually, it takes them 1 hour to get to your house, but today it took 1 hour and 20 minutes. If they left at 2:00 pm, what time will they arrive to your house? Show your work on the number line.

- When you are shopping, you notice that you can buy cans of pumpkin pie filling for \$4 each, or 3 for \$10. Which one is a better deal? How do you know?

TASK #8: Problem-Solving

Skills: elapsed time, addition, number lines

Engaging, relevant activities