The background of the slide is a solid blue color with a repeating geometric pattern. The pattern consists of interlocking shapes that resemble stylized circles or diamonds, creating a tessellated effect. The text is centered on this background.

**Math  
Monday  
10/24/16**

**Today we are going to work a little bit more with visual models.**

**In a moment, you will be broken up into 5 groups**

**Each group will have one question to solve, and one model to draw on a piece of paper. Make sure to draw your model big on the sheet of paper, and label it well.**

**You will also need to write the problem number at the top of your paper.**

Group 1: How many half miles are in 12 miles?  $12 \div \frac{1}{2} = 24$

Group 2: How many quarter hours are in 5 hours?  $5 \div \frac{1}{4} = 20$

Group 3: How many one-third cups are in 9 cups?  $9 \div \frac{1}{3} = 27$

Group 4: How many one-eighth pizzas are in 4 pizzas?  $4 \div \frac{1}{8} = 32$

Group 5: How many one-fifths are in 7 wholes?  $7 \div \frac{1}{5} = 35$

**Remember, you only need to do one!**

**Now, we are going to post your models  
up around the room.**

**As you visit each one, fill out your chart!**

**How are these questions different from the questions we were working on the other day?**

**What do you notice?**

- All of the problems in the first example show what is called *measurement division*. In measurement division, the divisor names the size (or measure) of the group (or unit), and the quotient represents the number of groups (or units.) A measurement division problem can often be solved by thinking, "How many \_\_\_\_\_ are in \_\_\_\_\_?"
- Let's take a look at a different example:

Example 2

Molly has 9 cups of flour. If this is  $\frac{3}{4}$  of the amount she needs to make bread, how many cups does she need?

How do we write a problem to solve this? "9 is  $\frac{3}{4}$  group of what size?"

Can we solve this using division?  
Or only multiplication?

- All of the problems in the first example show what is called *measurement division*. In measurement division, the divisor names the size (or measure) of the group (or unit), and the quotient represents the number of groups (or units.) A measurement division problem can often be solved by thinking, "How many \_\_\_\_\_ are in \_\_\_\_\_?"
- Let's take a look at a different example:

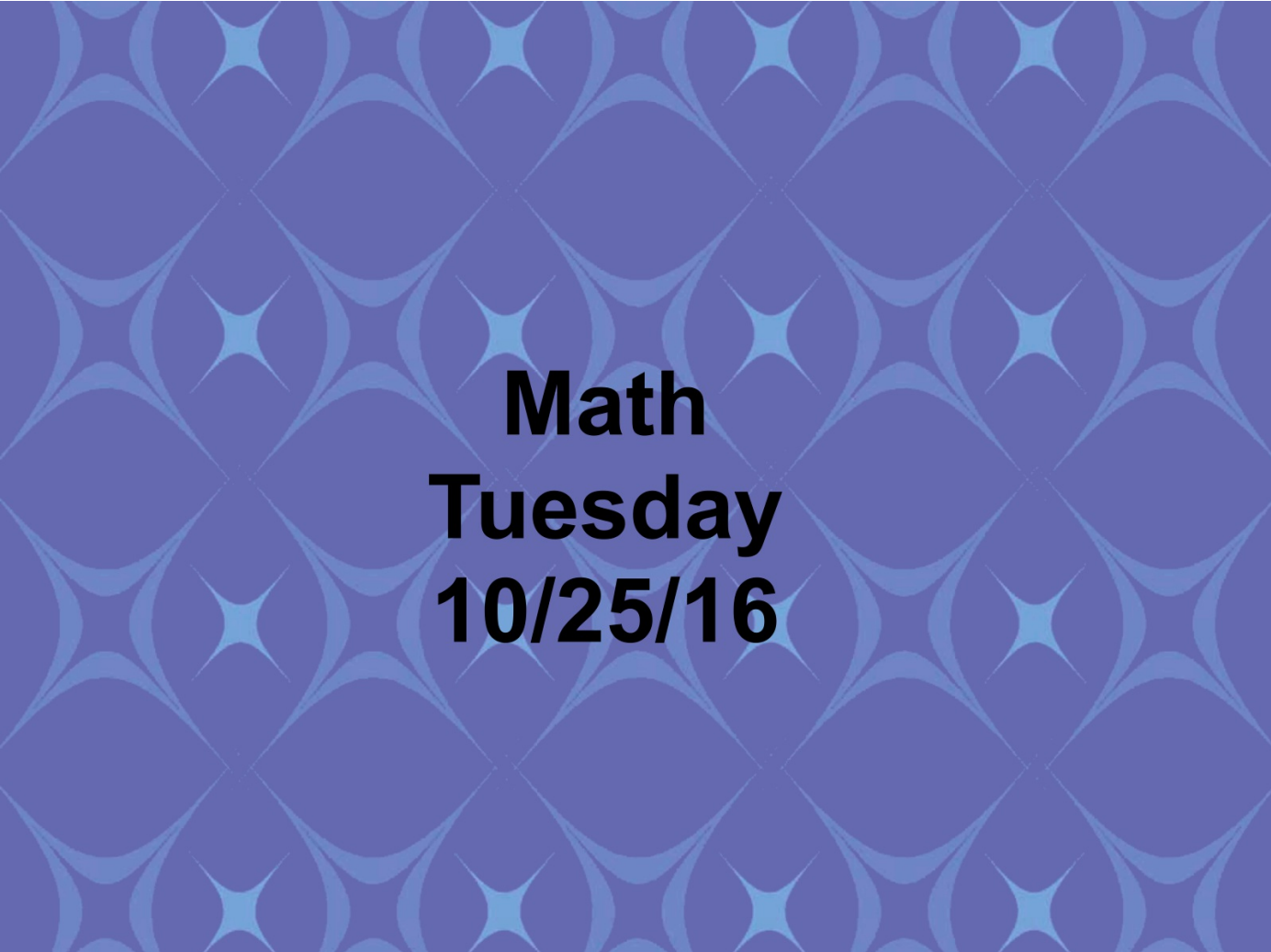
**Example 2**

Molly has 9 cups of flour. If this is  $\frac{3}{4}$  of the amount she needs to make bread, how many cups does she need?

**Lets draw a model!**

**Now, see if you can solve the next one on your own!**



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**Math  
Tuesday  
10/25/16**

**Try to solve this problem on your own. Solve by using math, and draw a model!**

6. Mr. Scruggs got some money for his birthday. He spent  $\frac{1}{5}$  of it on dog treats. Then, he divided the remainder equally among his 3 favorite charities.
- What fraction of his money did each charity receive?
  
  
  
  
  
  
  
  
  
  
  - If he donated \$60 to each charity, how much money did he receive for his birthday?

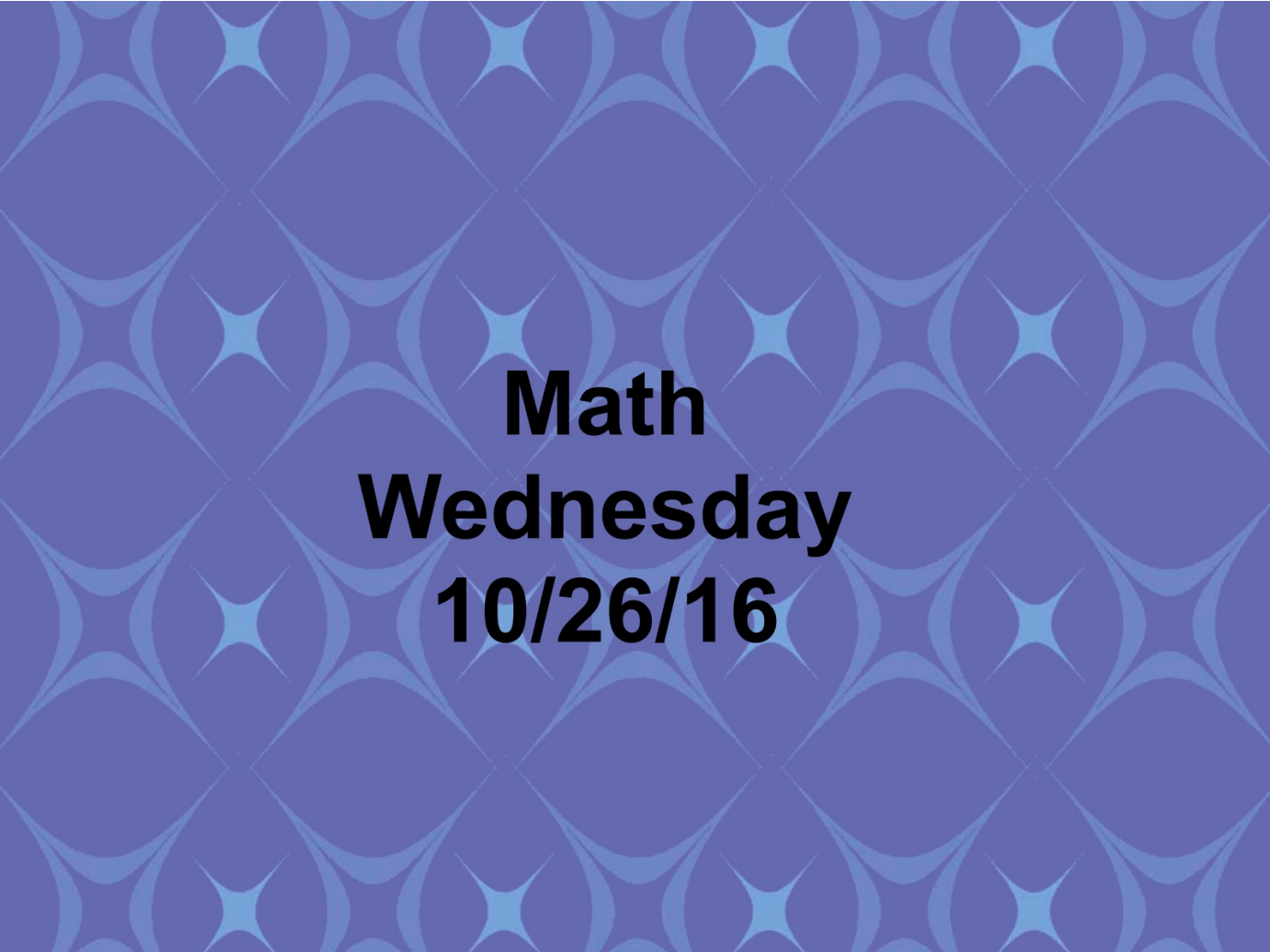
**Next, on a separate sheet of paper, work on exercises 1-5, then work on the problem set.**

Exercises 1–5

1. A construction company is setting up signs on 2 miles of road. If the company places a sign every  $\frac{1}{4}$  mile, how many signs will it use?

**It looks like this**

2. George bought 4 submarine sandwiches for a birthday party. If each person will eat  $\frac{2}{3}$  of a sandwich, how many people can George feed?

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**Math**  
**Wednesday**  
**10/26/16**

# Today

- You'll need a sheet of paper as well as your notebook!

# Its your Sibling's Birthday!

- and you decided to make them the most delicious red-velvet cake with cream-cheese frosting!
- However, the only thing your sibling loves more than cake are....
- CUPCAKES!




# Cake

- Here is the recipe! But there is a problem....
- if you convert this into cupcakes, it will make 24 cupcakes.
- You only have enough flour for about 1/3 of the recipe.
- the ratios in the cake have to be EXACT! Otherwise, the cake will not turn out right.

**Flour**  
Red Velvet Cake

Recipe courtesy of Paula Deen



Total Time:  
1 hr 45 min  
Prep: 15 min  
Inactive: 0 min  
Cook: 1 hr

Yield:  
6 to 8 servings  
Level:  
Easy

Red Velvet Cake

Ingredients

**For the Red Velvet Cake:**

- 2 1/2 cups all-purpose flour (recommended: White Lily)
- 1 teaspoon baking soda
- 1 teaspoon cocoa
- 1 1/2 cups granulated sugar
- 2 eggs
- 1 1/2 cups canola oil
- 1 teaspoon vinegar
- 1 (1-ounce) bottle red food coloring
- 1 teaspoon vanilla
- 1 cup buttermilk

**For the cream cheese frosting:**

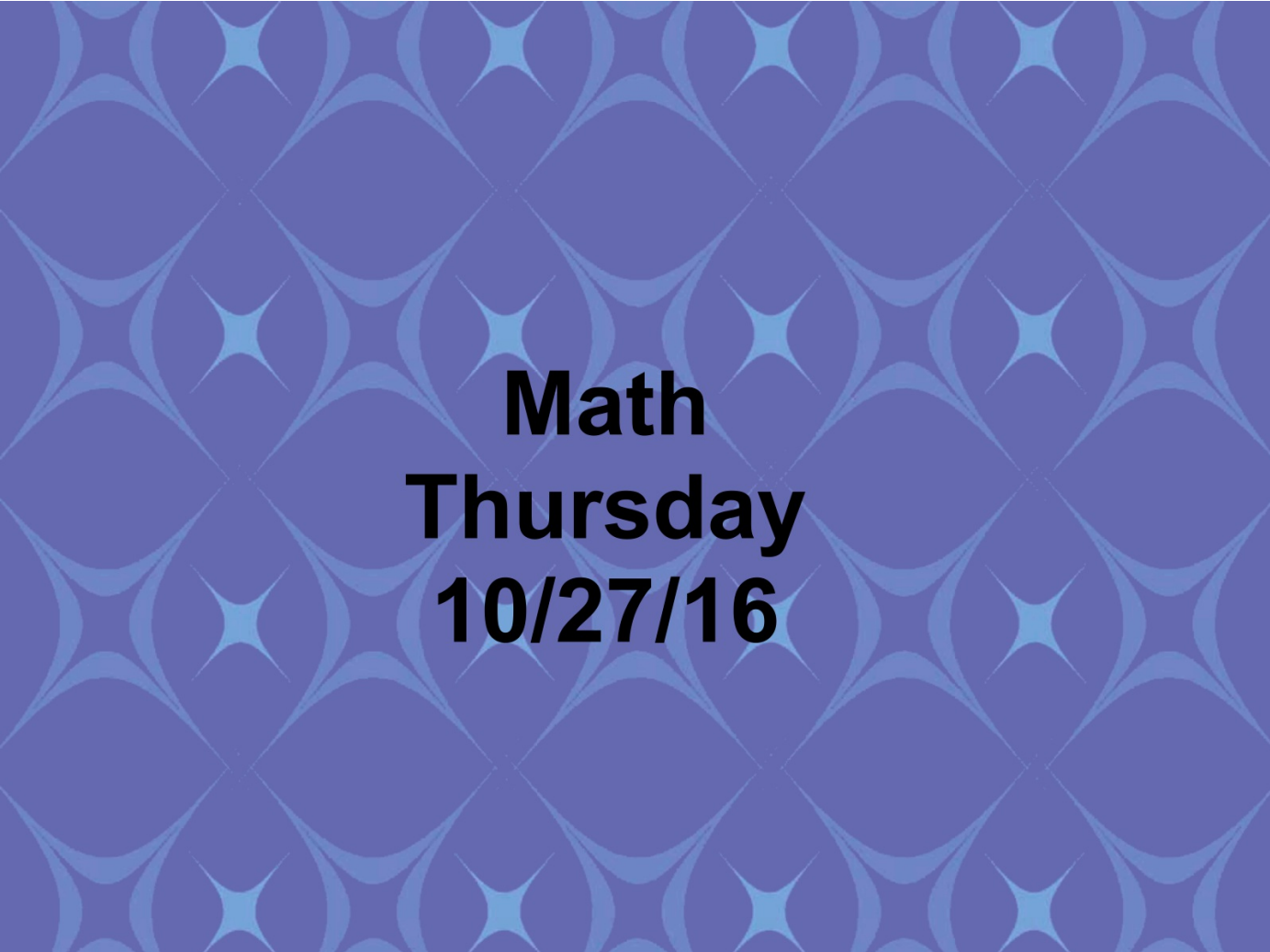
- 1/2 cup margarine
- 1 (8-ounce) package cream cheese
- 1 box confectioners' sugar, sifted
- 1/2 teaspoon vanilla
- 1 cup chopped lightly toasted pecans

# Task

- How can you take the red velvet cake recipe and only bake  $\frac{1}{3}$  of it? How many cupcakes will that make? Will it be enough? figure out how much of each ingredient you must use to make the cupcakes!

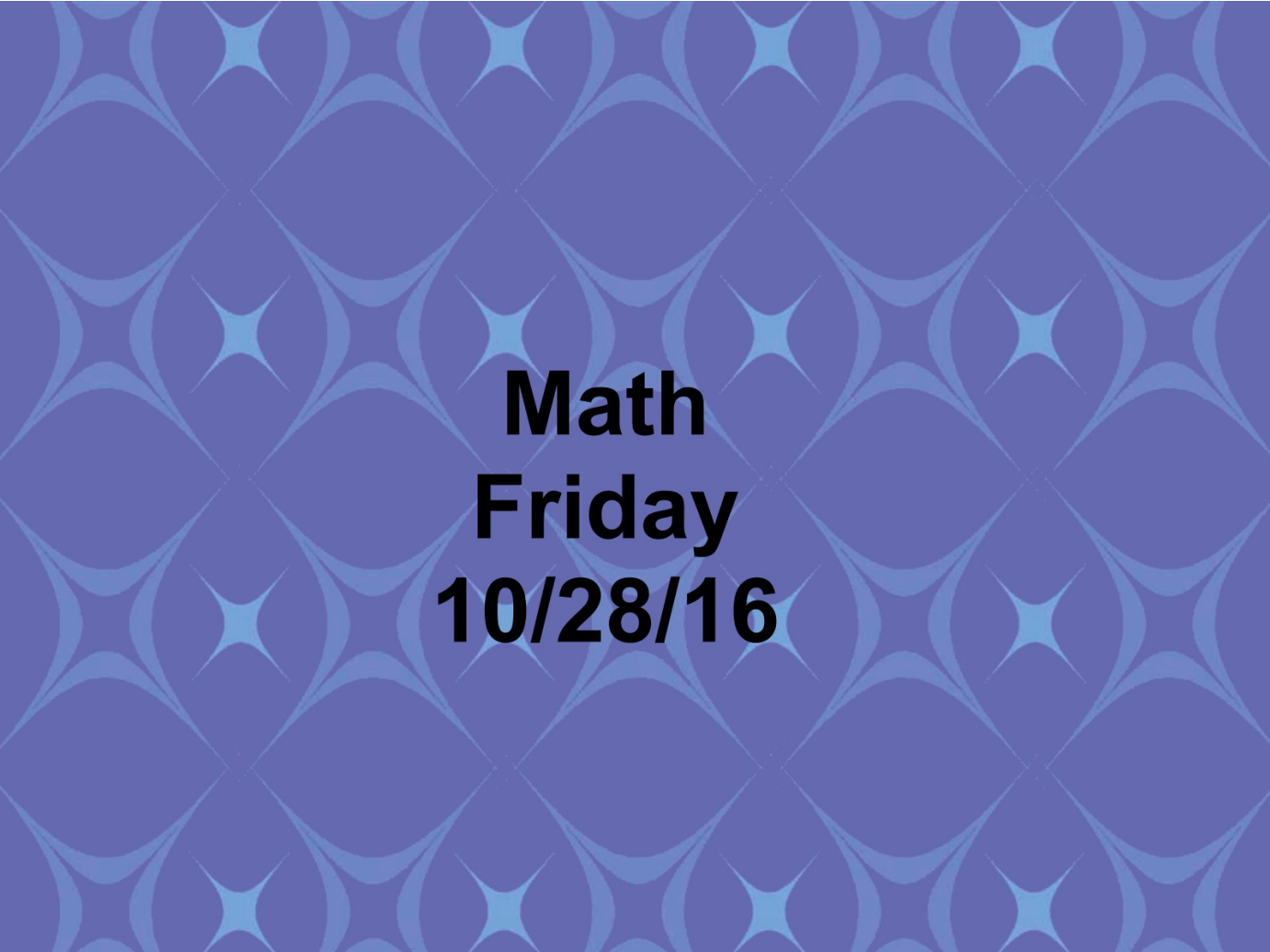




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**Math**  
**Thursday**  
**10/27/16**

**Today, you'll be working on some additional practice work! You'll be taking your test sometime next week, and you'll be getting a study guide tomorrow.**

The background of the slide is a solid blue color with a repeating geometric pattern. The pattern consists of overlapping circles and arcs that create a series of four-pointed star shapes and diamond-like voids. The colors are in shades of blue, with the background being a darker blue and the pattern elements being lighter.

**Math  
Friday  
10/28/16**

**Today, your focus will be to work on your study guide, and to make sure that your notebook is up to date and ready to be graded.**