The background is a light gray rectangle filled with various geometric shapes. There are several overlapping circles of different sizes, some solid and some outlined. There are also curved lines and a square containing a circle. On the right side, there are three horizontal lines stacked vertically.

**Math**  
**Monday 4/24/2017**

# **Math Stations!**

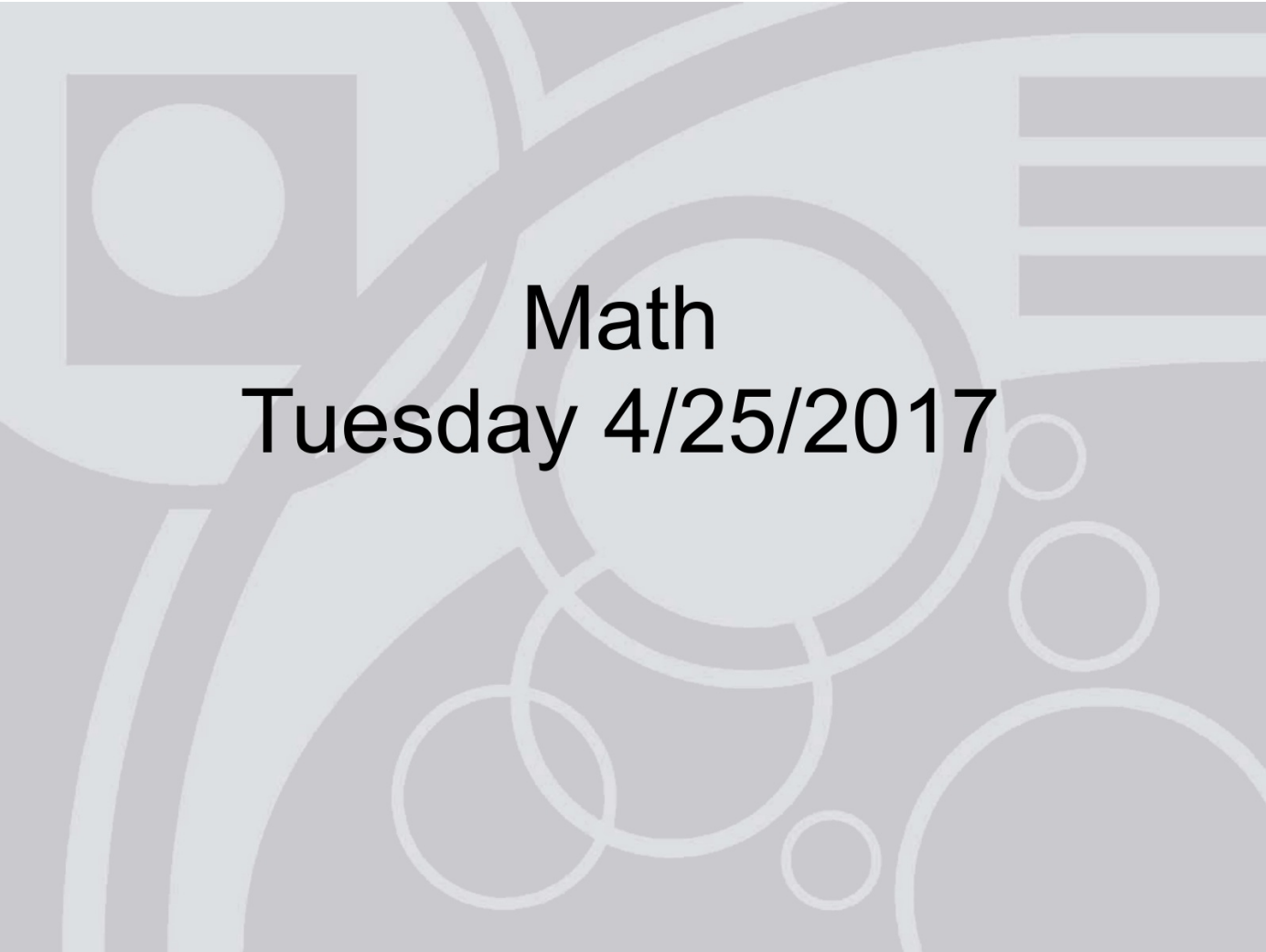
## Finding Equivalent Ratios

Directions: Use the digits 1-9 to create 3 equivalent ratios.

Each digit can only be used once.

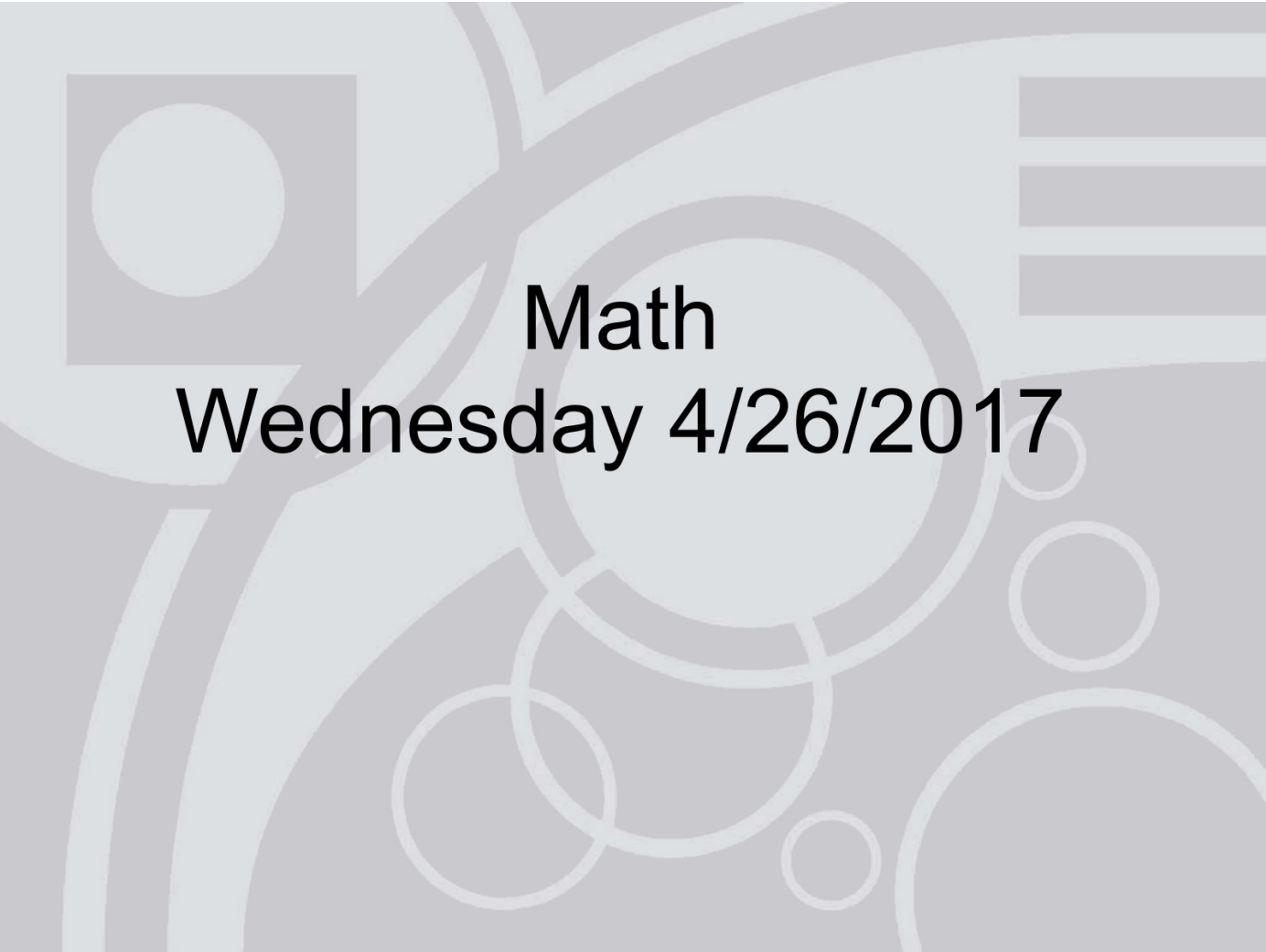
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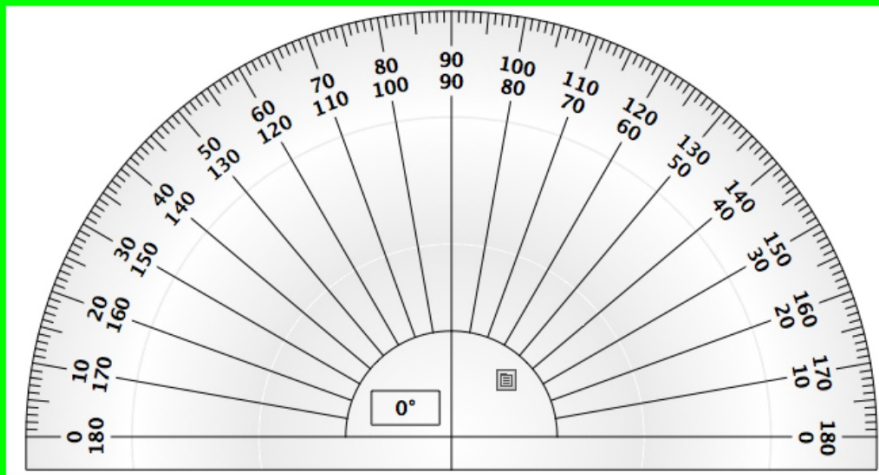
**Math**  
**Tuesday 4/25/2017**

**Quiz!**

The background is a light gray rectangle filled with various geometric shapes. On the left, there is a square containing a circle. In the center and right, there are several overlapping circles of different sizes. On the right side, there are three horizontal parallel lines. The overall style is minimalist and modern.

**Math**  
**Wednesday 4/26/2017**

**Today we will review how to use a protractor, and you will have the opportunity to practice measuring angles.**

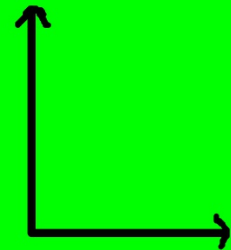


# Measuring Angles with a Protractor



Step 1- Identify the type of angle.

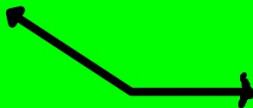
Right angles are  $90^\circ$ .



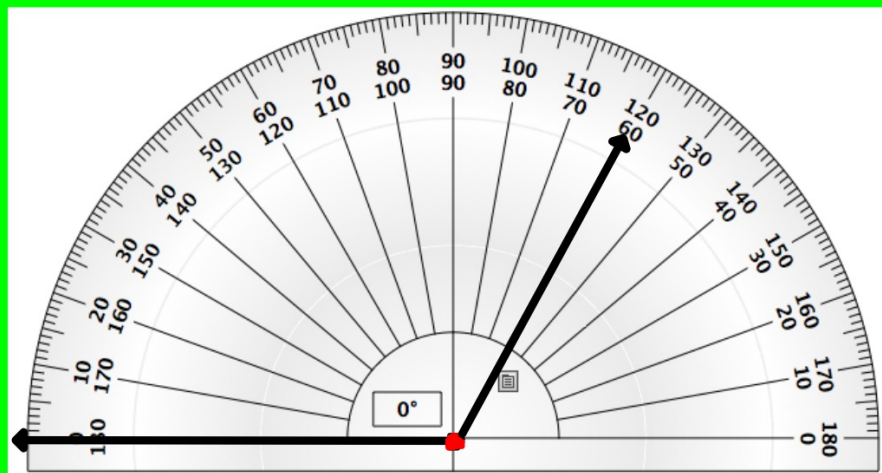
Acute angles are less than  $90^\circ$ .



Obtuse angles are greater than  $90^\circ$ .

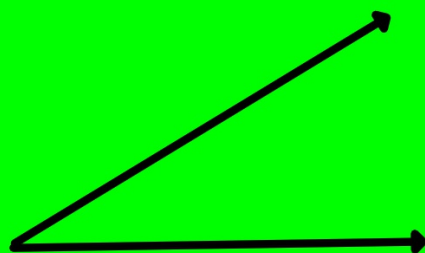
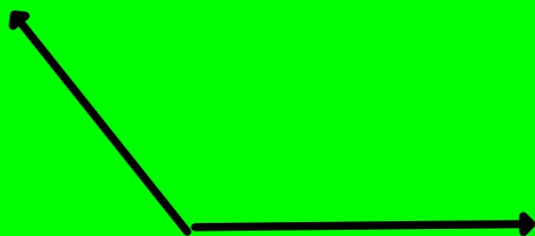


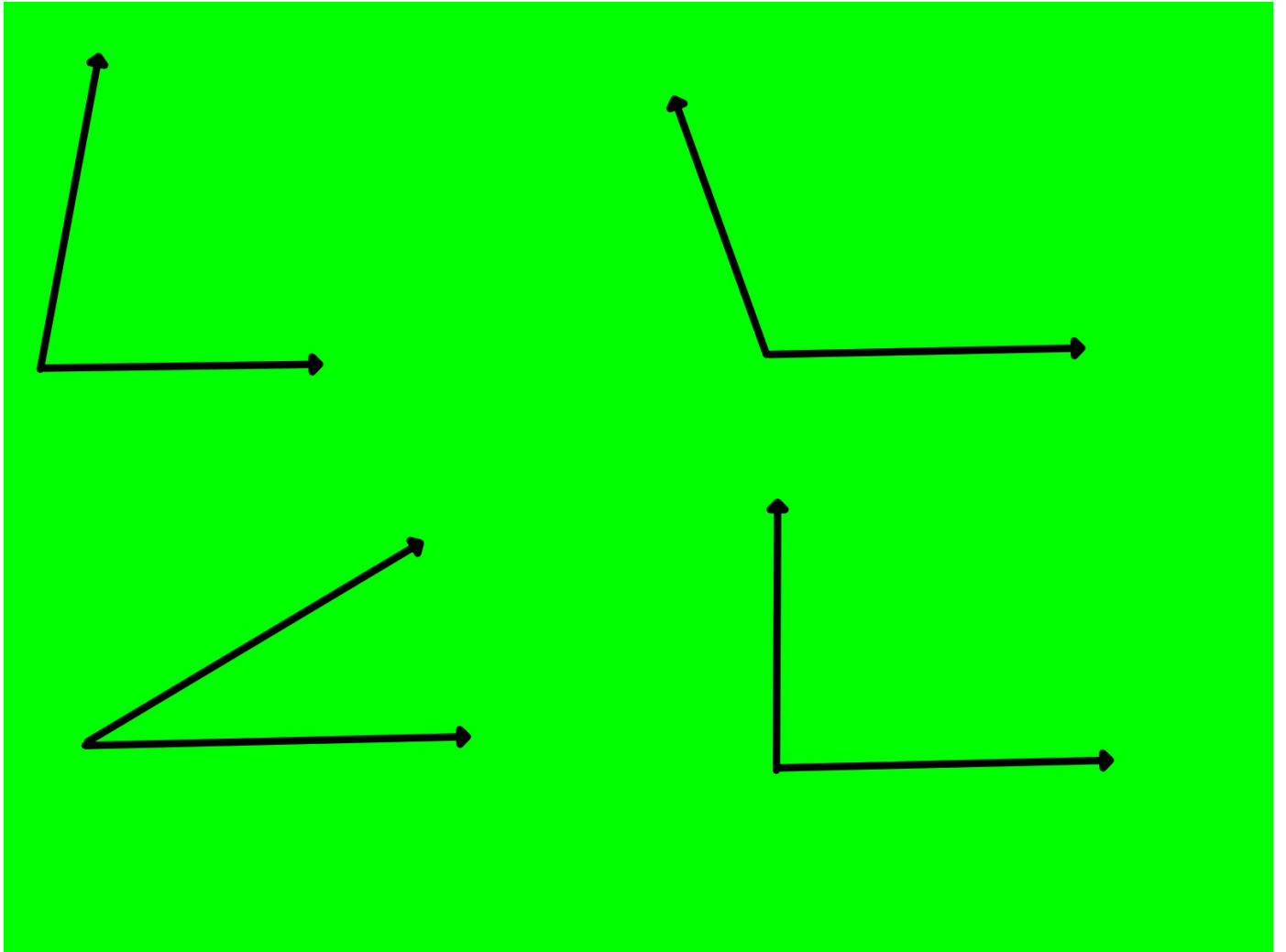
Step 2 - Line up the protractor like below.

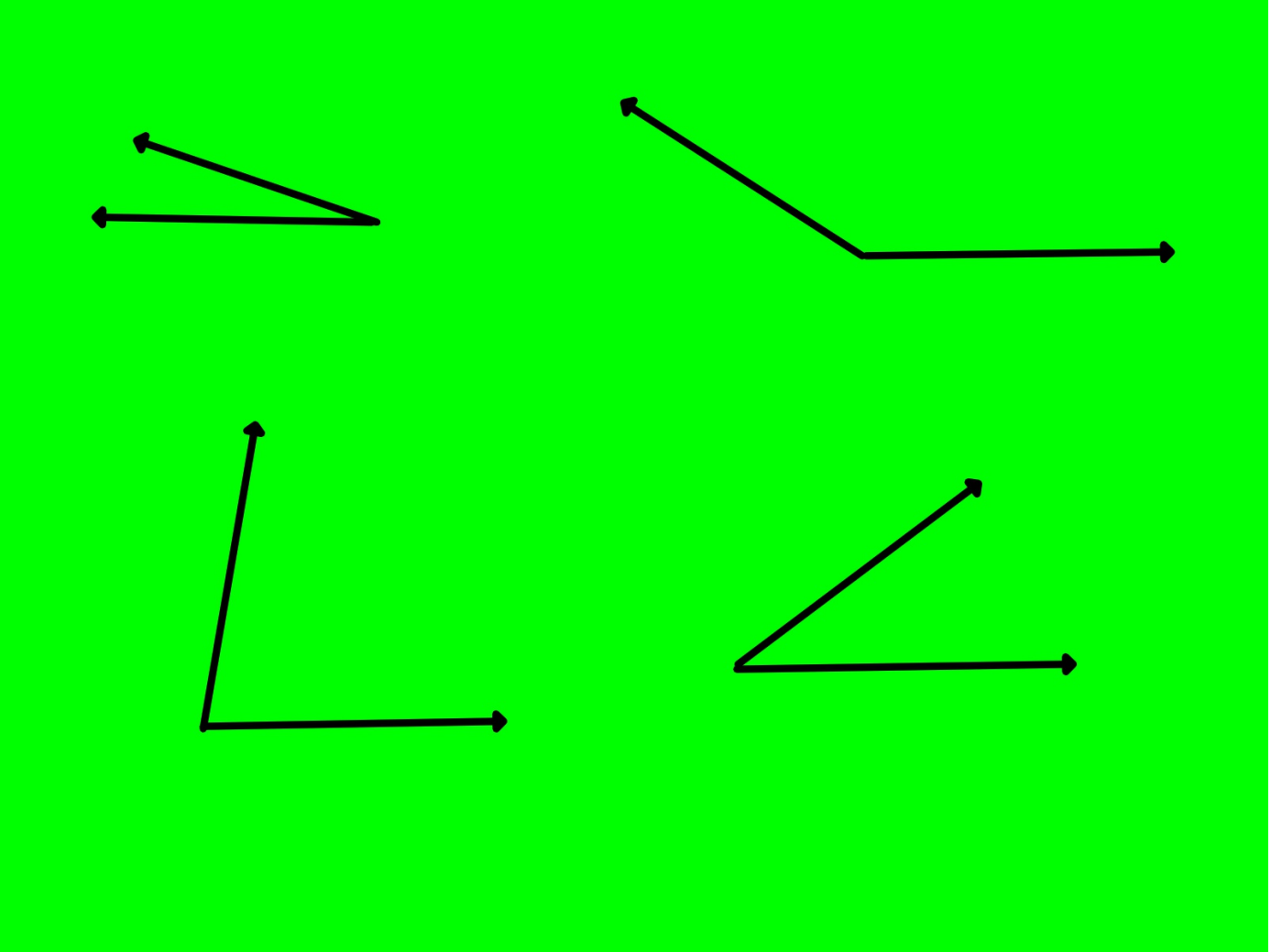


This angle is  $120^\circ$ .

Your turn to try some. Go to math tools and use the protractor.







**Today we are going to go over the questions that you had on the quiz on Wednesday.**

Yesterday, I went to the grocery store to buy food for this week. I needed to buy dog food, queso fresco, tortillas, eggs, ground beef, and lettuce.

I brought home:

a 20 lb bag of dog food for \$45  
2 heads of lettuce for \$5  
one package of queso fresco for \$5  
40 tortillas for \$3.20  
a dozen eggs for \$5.50  
1 lb of ground beef for \$8

Find the unit rates for the following:

Cost of dog food per pound:

The cost of one tortilla:

The cost of one head of lettuce:

Answer the following to the best of your ability:

4) How much money did I spend at the grocery store? I brought \$45 with me. Did I have enough money?

5) Take your answer for number 4. How much of the total cost of the food did I spend on the dog food? Your answer should be a percentage.

6) If my dog eats 4 cups of food per day, and there are 5 cups in one pound of dog food, how many days will the dog food last?

How much does it cost per day to feed my dog?

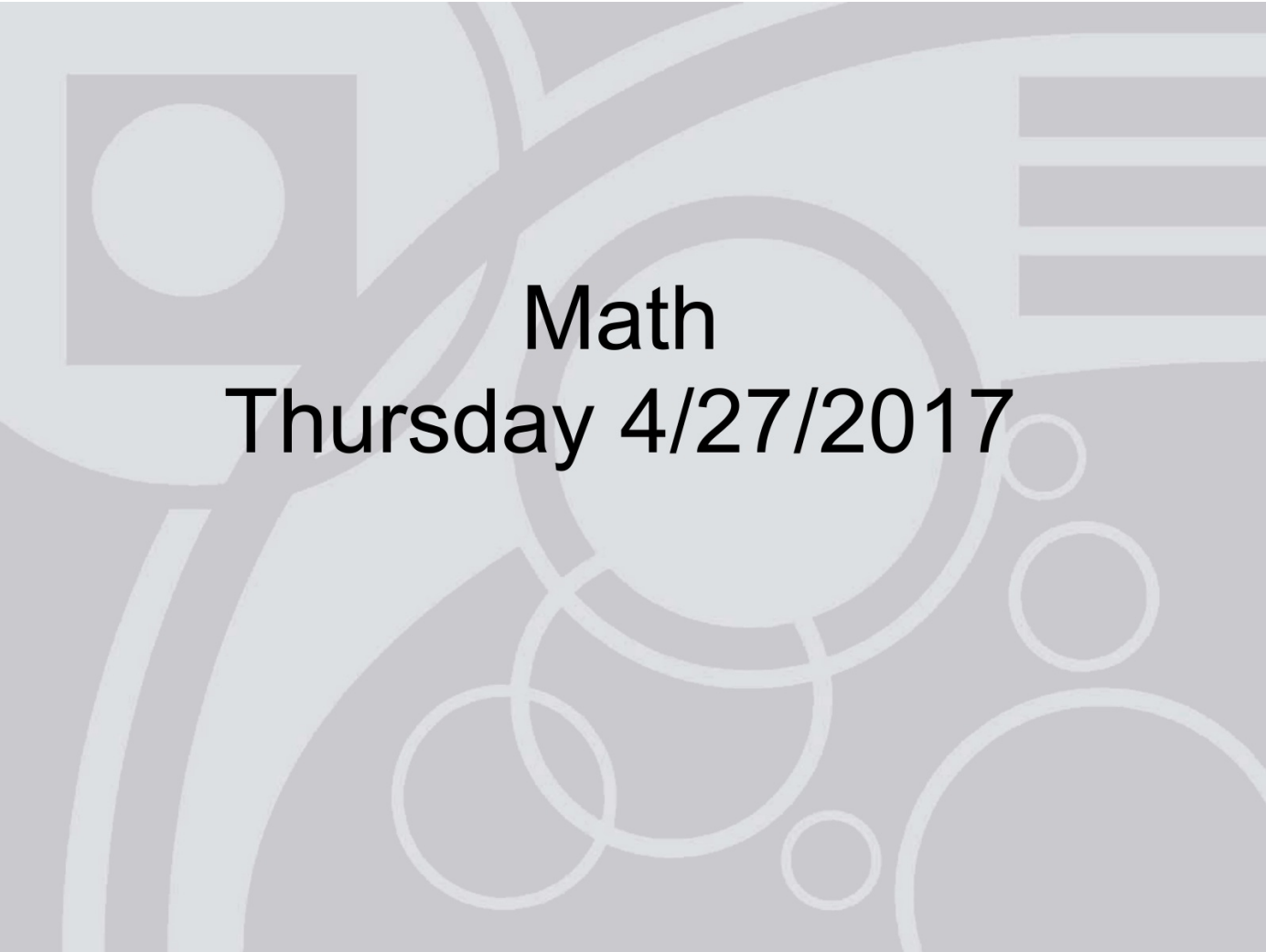


7) If I had a coupon for 20% off of the total cost of the dog food, how much would I pay for the dog food?

8) The store clerk decided to give me a super customer discount on my groceries. They were able to take 15% off of the total cost of all of my groceries.

How much was the discount in dollars?

With the discount, what is my new total for groceries?

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**Math**  
**Thursday 4/27/2017**

**Quick review! On a sheet of paper, solve the following!**

**If 25 is 100% of the total number of students in the class, what percent is 12 students?**

**Solve the following:**

**If I spent \$85 at the grocery store, and I had bought \$35 worth of vegetables, what percentage of my total bill did I spend on vegetables?**

**Today, we are going to practice some word problems together, to make sure that you understand rates, ratios, and proportions before moving on to geometry. You'll have a test soon!**

According to Greg, perfect cherry pies have a ratio of 240 cherries to 3 pies.

**How many cherries does Greg need to make 9 perfect cherry pies?**

In the first 3 days of class, Daunte lost 2 pencils.

**If Daunte keeps losing pencils at the same rate for 60 days of class, how many pencils will he lose?**

Hungry Hank uses 7 scrambled eggs to make 4 breakfast burritos.

**How many breakfast burritos does he make with 21 scrambled eggs?**



At the market, 5 light bulbs  
cost \$9.85,

**How much do 7 light bulbs  
cost?**

Lynnette can wash 95 cars in 5 days.

**How many cars can Lynnette wash in 11 days?**

Alicia drove at a constant speed and traveled 182.41 miles in 3 hours.

**How many miles would Alicia travel in 11 hours at the same speed?**

Mark can make 42 birthday cakes in 7 days.

**How many birthday cakes can Mark make in 5 days?**

Amanda can jog  $18 \frac{1}{2}$  miles  
in 5 hours.

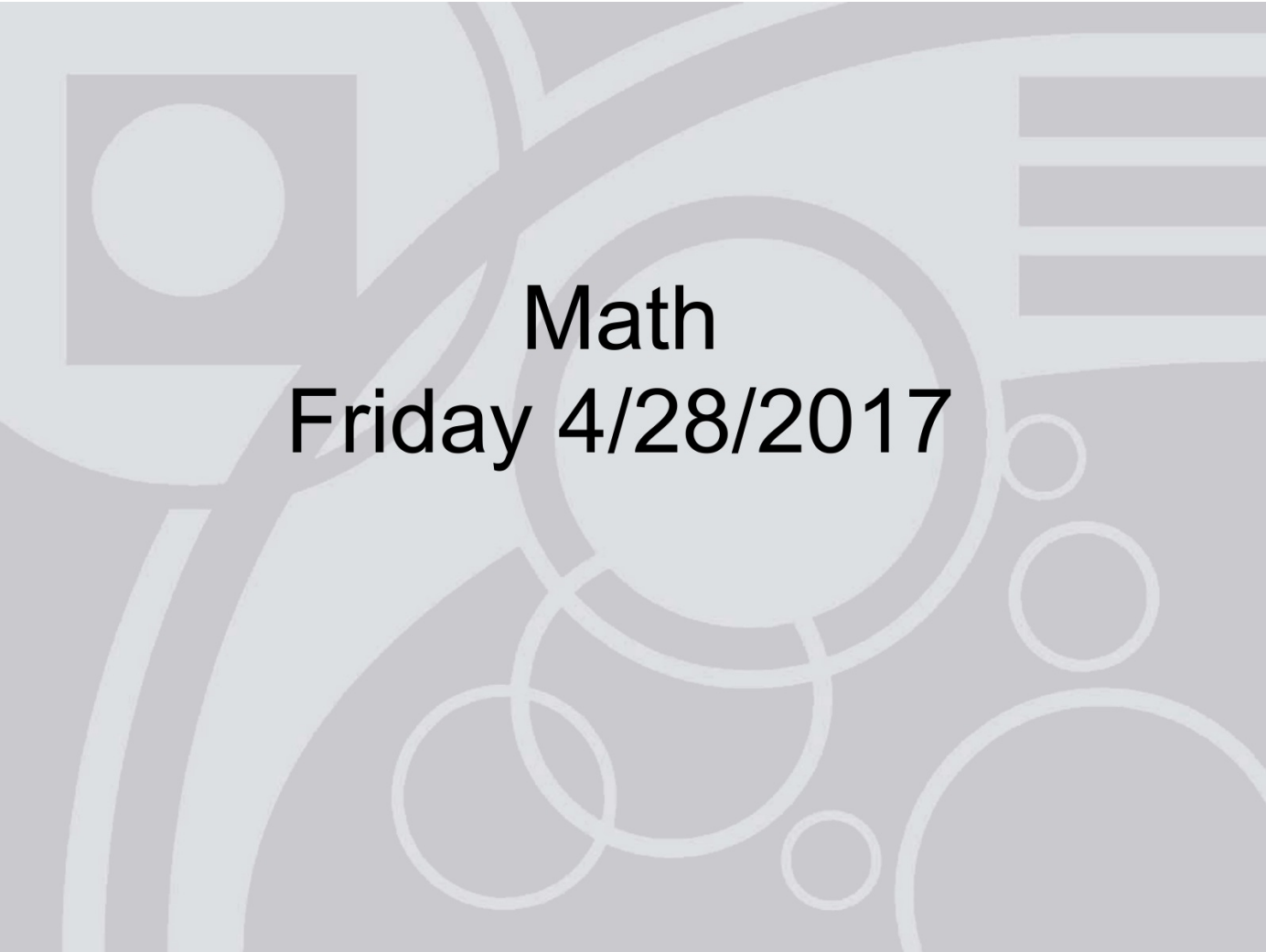
**At this rate, how many miles can  
Amanda jog in 4 hours?**

A squirrel is running across the road at 12 feet per second. It needs to run 9 feet to get across the road. How long will it take the squirrel to run 9 feet? Round to the nearest hundredth of a second.

A car is 50 feet away from the squirrel, driving toward it at a speed of 100 feet per second. How long will it take the car to drive 50 feet? Round to the nearest hundredth of a second.

Will the squirrel make it 9 feet across the road before the car gets there?



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**Math**  
**Friday 4/28/2017**

**Today you will need a sheet  
of paper and a pencil.**

**you will be working with your  
table-mate!**

I will call you to the room. If  
your teacher asks you to get the  
opposite side of the desk,  
you will be working with your  
table-mate!



**The ratio of boys to girls is 3 to 2. If there are 12 boys, how many girls are there?**

**It takes one Super Giant Pizza to feed 3 people. If you invite 36 people, how many pizzas will you need?**

**At a recent party, it cost \$9.50 for refreshments for 10 guests. At this rate, how much would it cost to have refreshments for 80 guests?**

**Mary has saved \$17.50 in the past 3 weeks. At this rate, how much will she save in 15 weeks?**

**Mr. Johnson was paid \$190 for a job that required 40 hours of work. At this rate, how much should he be paid for a job requiring 60 hours of work?**

**The park ranger stocks the children's fishing pond keeping a ratio of 4 sunfish to 3 perch. If he puts 300 sunfish into the pond, how many perch should be put into the pond?**

**If two pounds of meat will serve 5 people, how many pounds will be needed to serve 13 people?**

**Jack was planting a tree. He was to dig a hole that was 3 feet deep for every 5 feet of tree height. How deep should he dig the hole for a tree that is 17 feet high?**

**A certain shade of green paint is made from 5 parts yellow mixed with three parts blue. If 2 cans of yellow are used, how many cans of blue should be used?**

**If a 4-pound roast takes 150 minutes to cook, how long should a five-pound roast take?**

**Next, you will be  
working on  
proportion  
problems on your  
own!**