

MATH BUNDLE #1

Project Based Learning

3rd Grade Print & Google Slides



BUILD A ZOO

Project Based Learning

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CHALLENGE #3: PRIMATE CLASSES

The primate classes are so popular that you decide to offer classes about other types of animals, too. Under each class name, you see the time it begins. Drag each class to the clock that shows the correct start time.



ANIMAL HABITATS

You have \$1,000 to decorate the animal exhibits. Below are the different features you can purchase. You can purchase more than one of each feature. Consider what you learned about habitats, how much space is within each exhibit, and the budget. Drag an animal icon to each like in their exhibit. On the following slide, you will make a list of features to purchase.



Watering hole
\$120



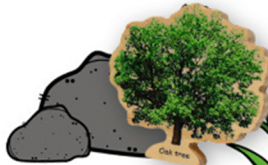
Colorful plants



Sand
\$50



Tree
\$100



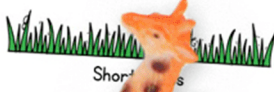
Climbing rocks
\$80



Tall grass
\$60



Tree
\$50



Short

Drag me

CHALLENGE #3: PRIMATE CLASSES

You just built a new primate exhibit, and you want to offer classes to your visitors so they can learn about the monkeys, gorillas, and chimpanzees while visiting the zoo. The times each class begins are shown on the clocks below.



All About Apes



Primate Diets



Monkey Habitats

1. Are the times on the clocks shown in AM or PM? How do you know?

2. What time does All About Apes begin?

3. What time does Primate Diets begin?

4. What time does Monkey Habitats begin?

5. Each class is one hour long. What time does each class end?

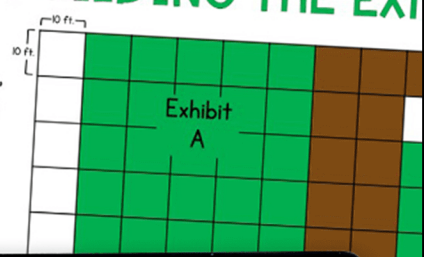
All About Apes

Primate Diets

Monkey Habitats

BUILDING THE EXHIBIT

Now that you've chosen your 4 animals, you must assign them to their exhibits. On this blueprint of the zoo, each square represents an area that is 10 feet long by 10 feet wide.



Print & Digital Versions

ZOO BROCHURE


Now that your zoo is open, you need to attract visitors! You are going to publish a brochure to entice people to come to your zoo. Below, write a blurb to include in the brochure. Your goal is to make people want to come visit your zoo.

CHALLENGE #2: SNACK STAND

One of the ways you earn money at your zoo and keep your visitors happy is by running a snack stand. The menu for the snack stand is below. Answer the questions.

Soda.....	\$2
Hotdog.....	\$3
Popcorn.....	\$1.50
Pretzel.....	\$2.25
Popsicle.....	\$1

1. It costs the zoo \$1 to buy each hotdog from the hotdog supplier. The hotdogs come in packages of 24. What is the zoo's profit per package of hotdogs?

2. In one hour, the snack stand earned \$85 from selling soda and popsicles. How many sodas and popsicles could they have sold? Use the shape tool  to draw a diagram to show your thinking.

3. To attract more people to the snack stand, you offer a special deal where visitors can buy a popcorn and a pretzel together for \$3. If 5 people purchase popcorn and pretzels using this deal, how much less money did the snack stand earn than if they didn't offer the deal?

3. If meat for the lions costs \$100 per week?

CUPCAKES GALORE

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CUPCAKES GALORE BAKE SALE Baker: _____

Your teacher records the number of cupcakes your class is baking to help her prepare for the bake sale. Use the data to answer the questions below by dragging the names and numbers.

1. How many batches of cupcakes will be made by you?
_____ + _____ + _____ = _____

2. Determine how many cupcakes each recipe will make.
Vanilla Dream _____ Chocolate Walnut _____

3. Using the recipe cards and the data above, write the number of batches of each cupcake recipe.
Berry Bonanza _____ Walnut Dream _____

4. Two classes are going to make 100 cupcakes each. How many batches of each recipe will they need?

5. How many batches of each recipe will they need to make 100 cupcakes each?

CUPCAKES GALORE BAKE SALE Baker: _____

You and one of your classmates picked the same two types of cupcakes to bake so you decide to bake together. You create a table to help you double the ingredients. Fill in the table with the amounts of your ingredients for one of the recipes you will bake. Write the name of the recipe on the line below.

Our recipe is _____

Ingredients	Amount in 1 recipe	Amount for both recipes
flour		
white sugar		
brown sugar		
baking powder		
baking soda		
butter		
eggs		
confectioner's sugar		



MagiCORE

Realistic Recipes

CUPCAKES GALORE-RECIPE CARDS

Version 1

Berry Bonanza

Cupcake Ingredients

- 3 ½ cups of flour
- 1 ½ teaspoons of baking powder
- 1 teaspoon of baking soda
- 1/3 cup of brown sugar
- 8 tablespoons of butter
- 1 teaspoon of vanilla
- 3 eggs
- ¼ cup of cooking oil.
- ½ cup of your favorite jam

Buttercream Icing Ingredients

- 1 cup of confectioners' sugar
- 4 tablespoons of butter
- 1 teaspoon of vanilla
- ¼ cup of milk

Bake at 350°F for 30 minutes.

Makes 2 dozen cupcakes.



Vanilla Dream

Cupcake Ingredients

- 2 ½ cups of flour
- 1 teaspoon of baking powder
- ½ teaspoon of baking soda
- ½ cup of white sugar
- 6 tablespoons of butter
- 1 teaspoon of vanilla
- 2 eggs
- ¾ of vanilla yogurt

Vanilla Yogurt Icing Ingredients

- 1 cup of confectioners' sugar
- ½ cup of vanilla yogurt
- 1 teaspoon of vanilla
- 1 cup of milk

Bake at 325 °F for 25 minutes.

Makes 18 cupcakes.



Copy (Ctrl+C) and Past (Ctrl+v) Recipe Cards to Move to Other Slides!

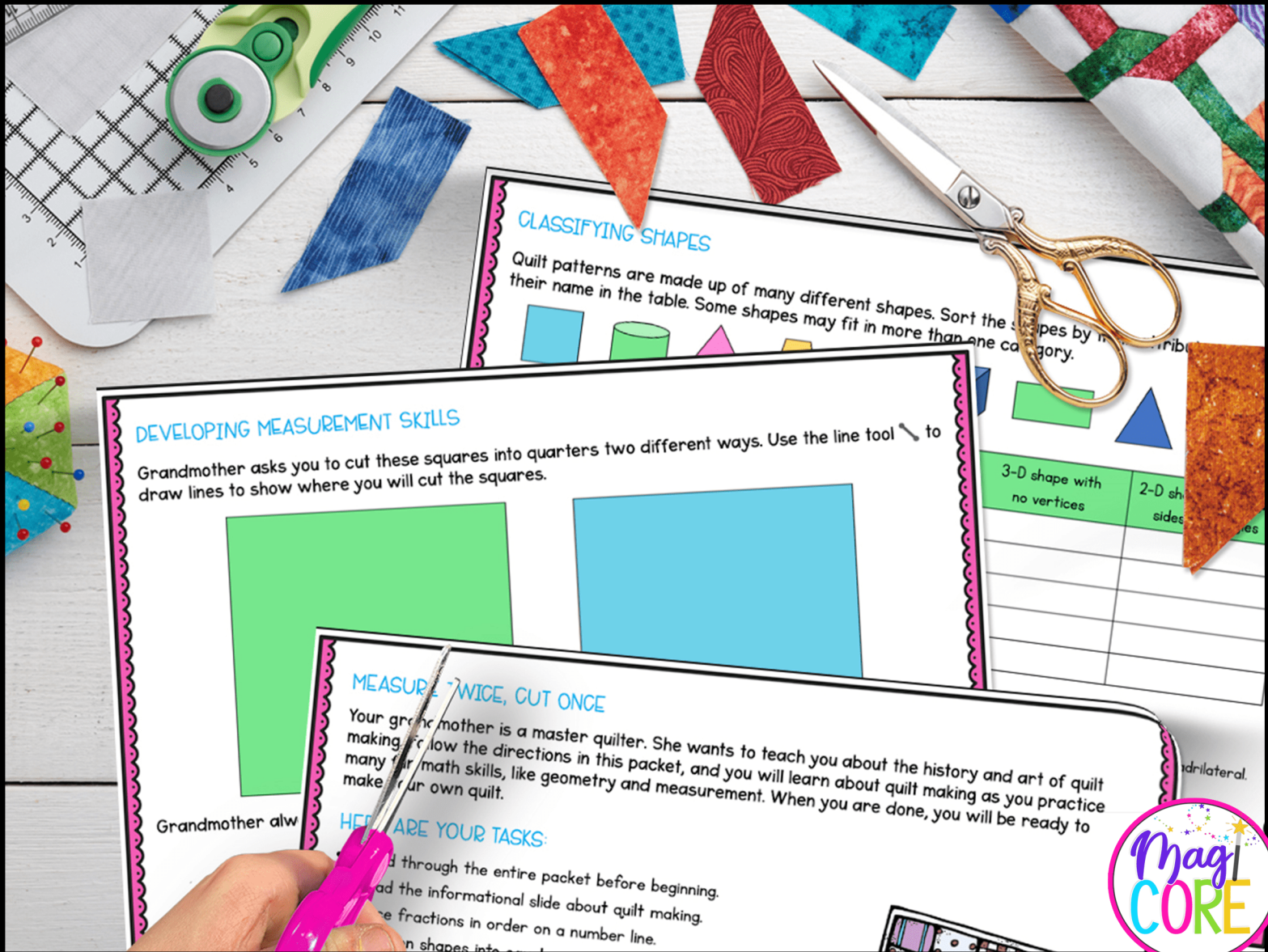
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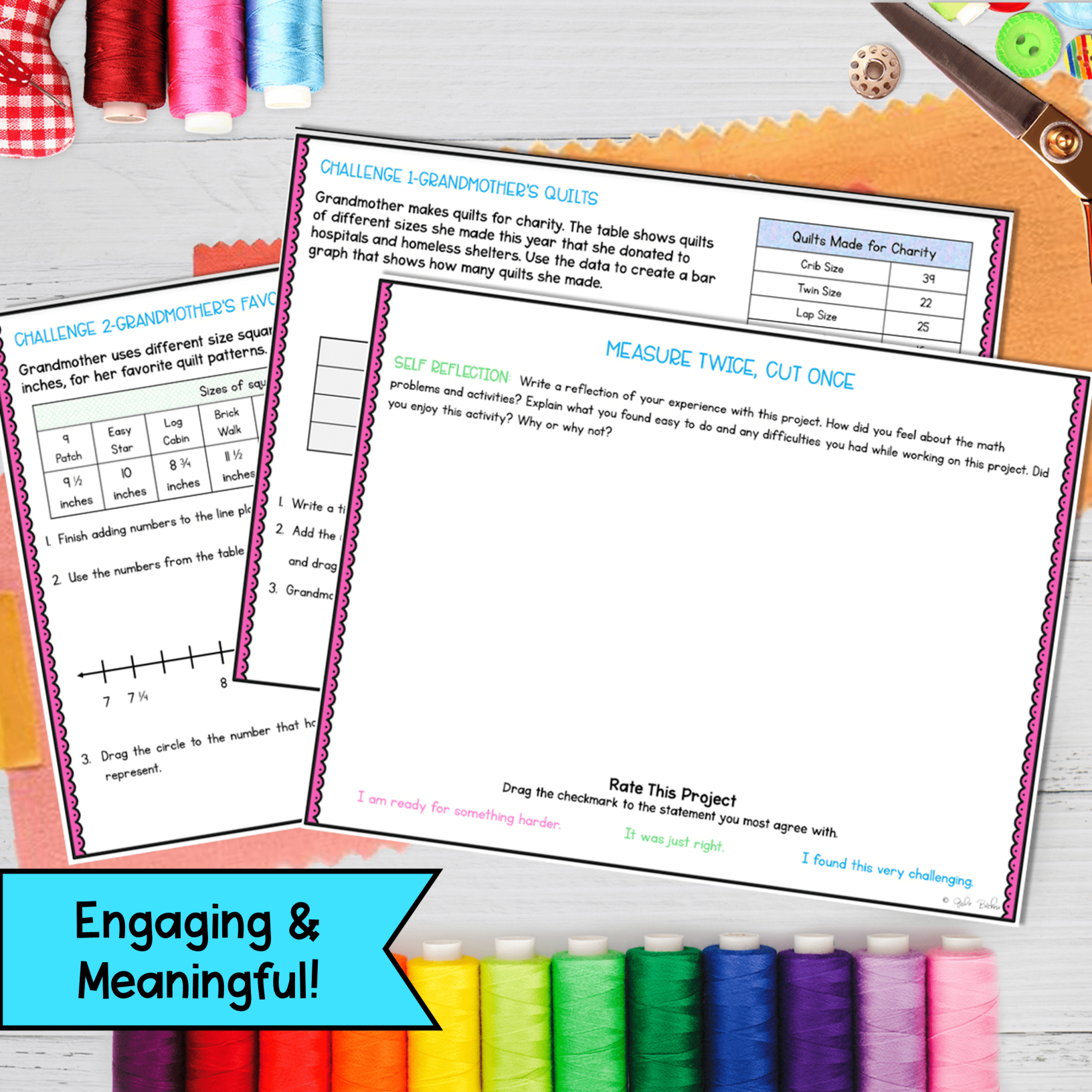


Measure Twice, Cut Once

Quilting Project Based Learning

3rd Grade Print & Google Slides





CHALLENGE 1-GRANDMOTHER'S QUILTS

Grandmother makes quilts for charity. The table shows quilts of different sizes she made this year that she donated to hospitals and homeless shelters. Use the data to create a bar graph that shows how many quilts she made.

Quilts Made for Charity	
Crib Size	39
Twin Size	22
Lap Size	25

MEASURE TWICE, CUT ONCE

SELF REFLECTION: Write a reflection of your experience with this project. How did you feel about the math problems and activities? Explain what you found easy to do and any difficulties you had while working on this project. Did you enjoy this activity? Why or why not?

1. Write a ti
2. Add the
3. Grandm

Rate This Project

Drag the checkmark to the statement you most agree with.

I am ready for something harder.

It was just right.

I found this very challenging.

© Julie Baker

CHALLENGE 2-GRANDMOTHER'S FAVORITE SIZES

Grandmother uses different size square patches, for her favorite quilt patterns.

Sizes of square patches			
9 Patch	Easy Star	Log Cabin	Brick Walk
9 1/2 inches	10 inches	8 3/4 inches	11 1/2 inches

1. Finish adding numbers to the line plot.
2. Use the numbers from the table.



3. Drag the circle to the number that best represents the data.

Engaging & Meaningful!