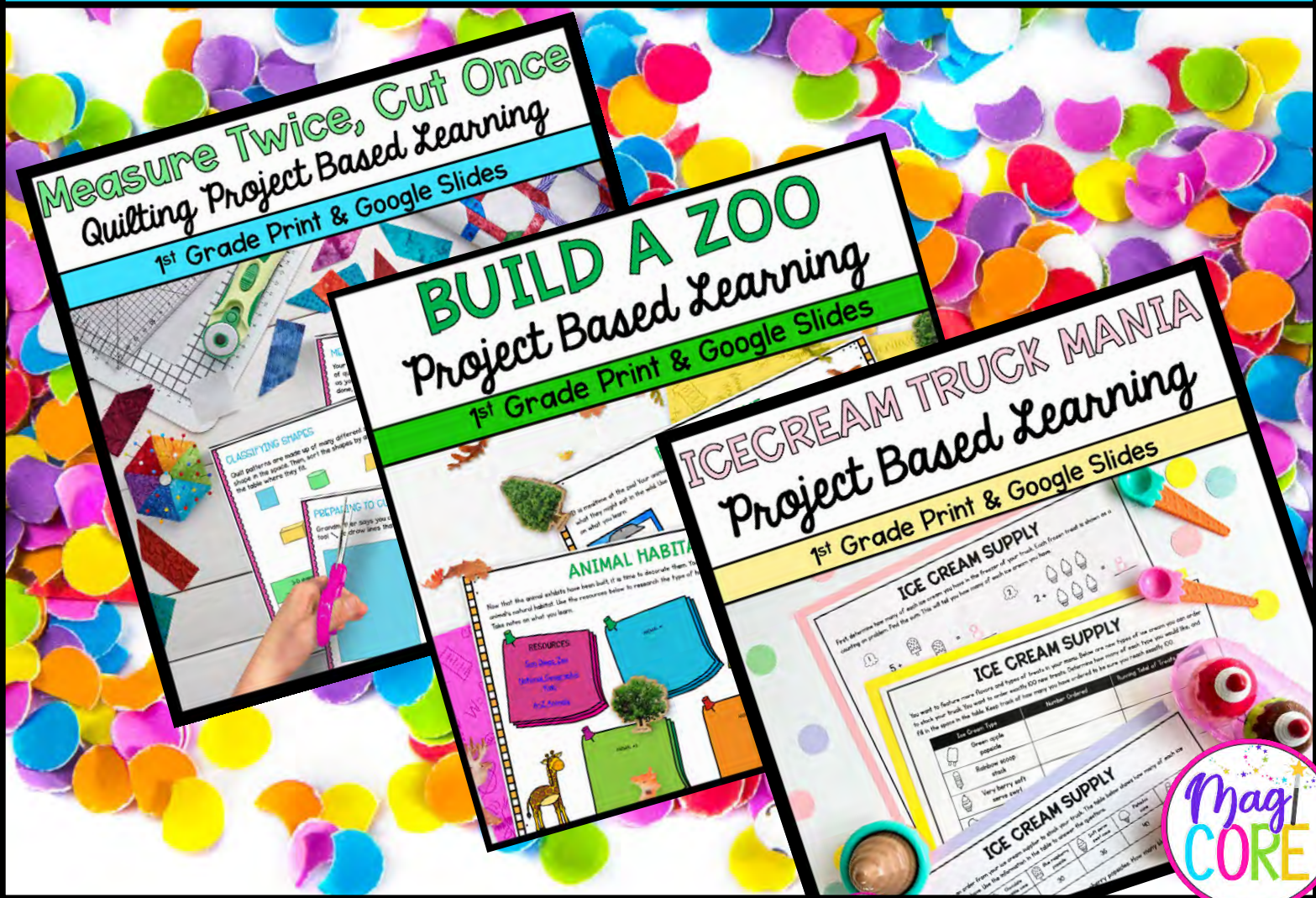
MATH BUNDLE #2

Project Based Learning

1st Grade Print & Google Slides



BUILD A ZOO

Project Based Learning

1st Grade Print & Google Slides



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 visit your zoo.



ZOO ATTENDANCE

The table below shows the price of admission to your zoo. Use the information in the table to answer the questions.

TICKET TYPE	Senior Citizen (65+ years)	Adult (18-64 years)	Child (2-17 years)	Baby (0-1 years)
TICKET PRICE	$6	$8	$3	Free

1. The Johansen family goes to the zoo. The family is Grandma (68 years old), Mom (38), Dad (39), Michael (8), Lara (4), and Rowan (1). How much will the Johansens spend on adult tickets?

2. How much will the Johansens spend on child tickets?

3. How much more will the Johansens spend on adult tickets than on child tickets?

4. The Johansens have a coupon for $2 off a senior citizen ticket. How much will Grandma's ticket cost with the coupon?

Aligned to Math Standards

...NG TIME

It is mealtime at the zoo! Your animals are hungry. You want to make sure tha
what they might eat in the wild. Use the resources below to research what e
on what you learn.

...imal's diet is the same as
...ats. Take notes

ANIMAL HABITATS

You have $100 to de...ate the animal exhibits. Below are the different features you can pur
purcha... of each feature. Think about what you learned about the animals' n
... exhibit, and the budget. Drag an animal icon to each feature you wo
...you will ... st of features to purchase. You will also calculate th

...l plants

Sand
$6

BUILDING THE EXHIBITS

3. Which exhibit has the longest length measurement?

4. Put exhibits A, B, and C in order from the shorte

5. You want to build a fence along two sides of E
side. How many tape measure lengths of fenc
diagram to show your thinking.

...6. The tape measure is 20 feet long. What

BUILDING THE EXHIBITS

Use the blueprint you created of your zoo to measure the exhibits. Drag the tape measure to see how many
measures wide each exhibit is. Then, rotate the tape measure to measure how many tape measures long it is.
the blueprint, width is measured side to side. Length is measured up and down.

Exhibit	Animal	Exhibit Width (in tape measures)	Exhibit Width (in tape measures)
A			
B			
C			
D			

1. Which two exhibits have the same width?

2. Which animal's exhibit has the shorte... easurement?

Challenge Activities for Differentiation

CHALLENGE #1: REPTILE HOUSE

Your zookeepers take excellent care of the snakes in the reptile house by measuring them to make sure they are a healthy size. Compare the lengths of the snakes below. Drag the correct symbol < , > , or = from the bottom of the slide into the blank.

5. Olive Python 89 inches ◯ Black Mamba 96 inches

CHALLENGE #2: SNACK ST

One of the ways you earn money at your zoo and keep your visitors happy is by running a

the snack stand is below. Answer the questions.

1. Which costs more: a pretzel and a soda

hotdog, a soda, and a po

at the snack stand?

rent combinations of iter

CHALLENGE #2: SNACK STAND

4. You are looking to add a new menu item. You are deciding between French fries and a turkey wrap. It will cost the zoo $2 to purchase and prepare each order of French fries, and they can be sold for $3. It will cost the zoo $4 to purchase and prepare each turkey wrap, but each wrap can be sold for $6. Which new menu item is the better choice? Explain.



Chrystana spent $12 at the snack stand. Her sister Alice spent $4 less than Chrystana at the snack stand. How much did Chrystana and Alice spend at the snack stand all together?

6. The zoo's business manager suggests raising all the prices at

to increase profit. Why might this be a good idea? Why

Decide whether you will take your business manager's ad

Measure Twice, Cut Once

Quilting Project Based Learning

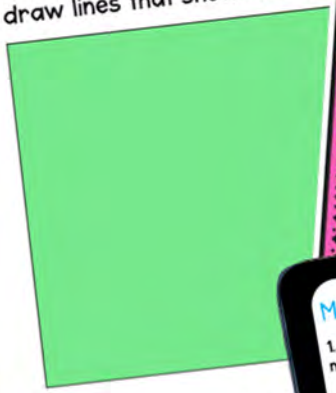
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Print & Digital Versions

PREPARING TO CUT

Grandmother asks you to cut these squ
tool to draw lines that show how yo



Grandmother always says it is b
think that means?

WHAT IS QUILT MAKING?

Do you have a special quilt or blanket? Most people have that one cozy blanket that they want to sleep with every night. Maybe your quilt was made by someone special who loves you.

Quilting is from
made quilts for
Quilts covered w

Quilts were sew
fabrics became
They used them

FINDING LINES OF SYMMETRY

Quilters use lines of symmetry to help them create patterns for their
symmetry is a line that cuts a shape in half. Follow the directions as y

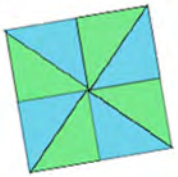
1. How many lines of
lines
shapes have? Use the line tool
ape.

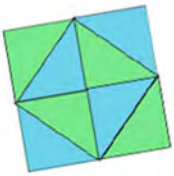
ottom half right at the lin
s under the paper.

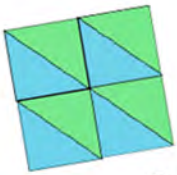
MAKING TWO PATTERNS

1. Count your triangles. You should have 4 of one color and 4 of the other color. How many triangle do you have in all? Show with a doubles fact.

2. It is time to arrange your triangles to make a pattern. Fit all 8 of your triangles in a pattern that makes a square. Try a few different arrangements until you get the one you like best. Then glue them on a large piece of white paper. Here are some examples from Grandmother.







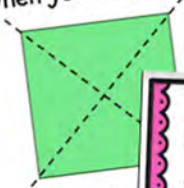




Have fun and be creative.

CUTTING TRIANGLES

Grandmother drew the picture below to help you unc
paper squares when you make your own pattern.



Start by using 2 different c
6-inch squares. Next, draw

REPEATING PATTERNS

Quilts are often made with repeating patterns. Look at the patterns and follow directions below. Use the shape tool or line tool to draw your shapes.

1. Extend the pattern.

MEASURING AND CUTTING YOUR SQUARES

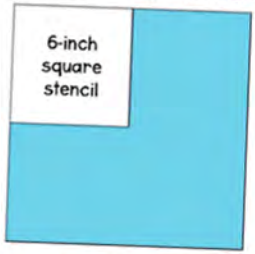
You know that eac
out h

bric is 12 inches wide and are different lengths. Let's find
u will get from each piece of solid fabric. Grandmother
trace on each piece of fabric.

ares you can cut from each fabric.

green squares and 6-inch blue squares.

n each piece of fabric to use as a guide. Drag the
the fabric. Use the line tool to show all your cuts.



you get from one piece of fabric?

reen squares =

Blue squares =

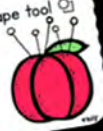
HOW MANY SQUARES?

Let's find out how many 6-inch squares you will get from the solid fabric.

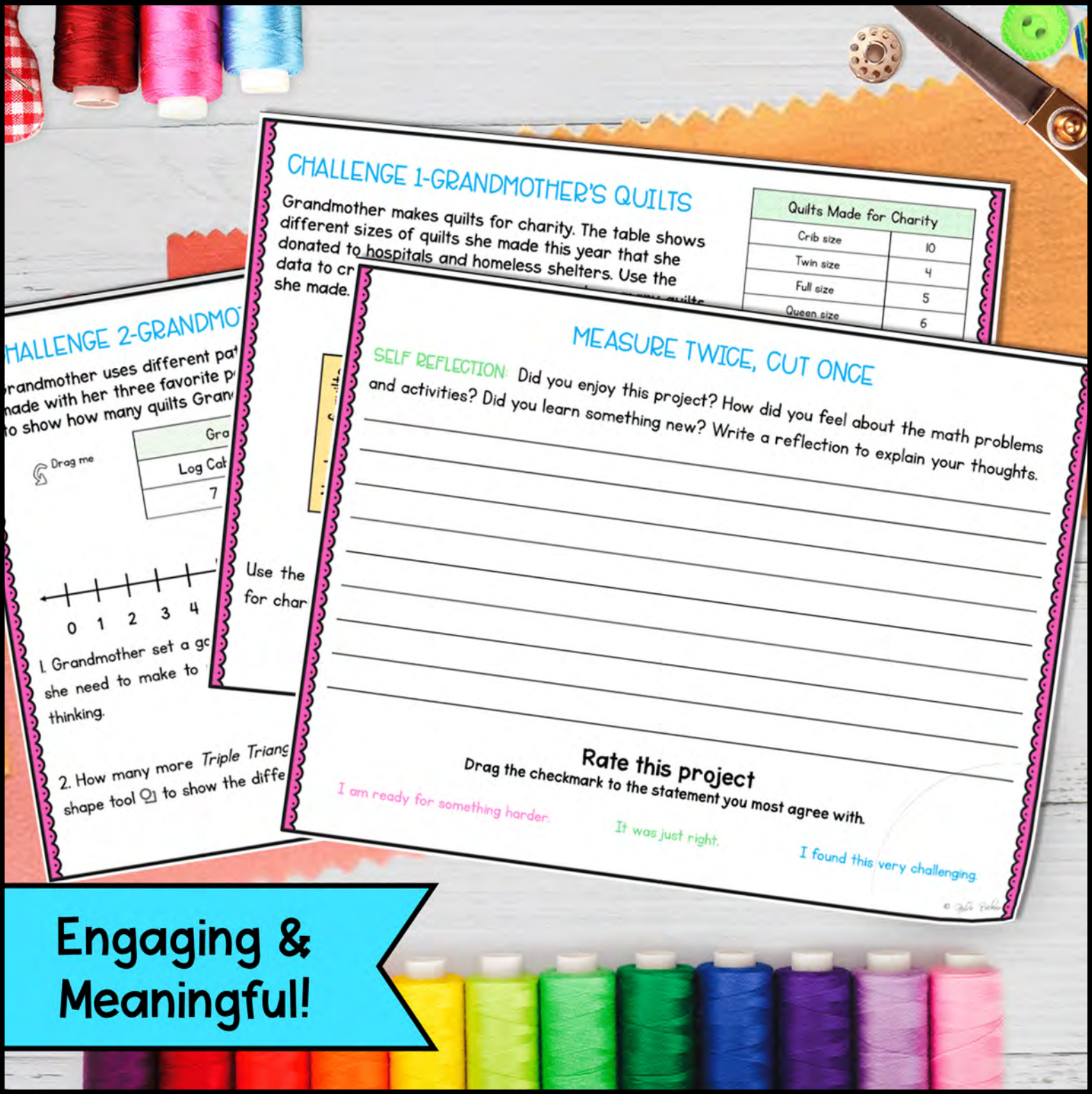
1. Use the shape tool to draw a picture of the squares you can cut from one green and one blue square. Color the squares you draw to show your thinking with the paint bucket tool.

2. Use addition to show the total number of squares you can cut altogether from all of the solid pieces of green and blue fabric. Use the table to help you.

3. Grandmother cut 4 squares from each of the blue and green print fabrics. If you add her squares to your squares, how many squares will you have in all? Use the shape tool to draw a model to show your thinking.



Aligns to Standards



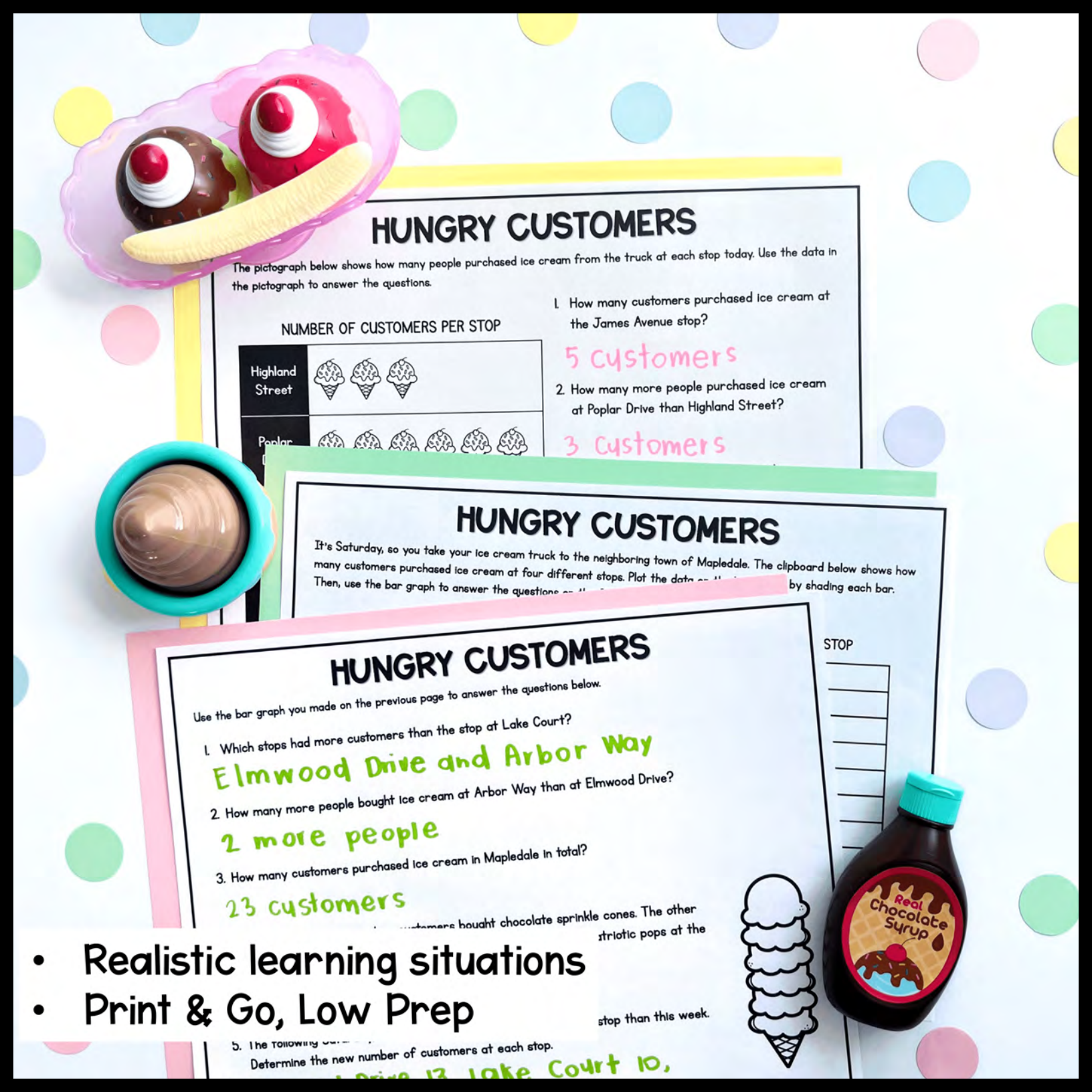
Engaging & Meaningful!

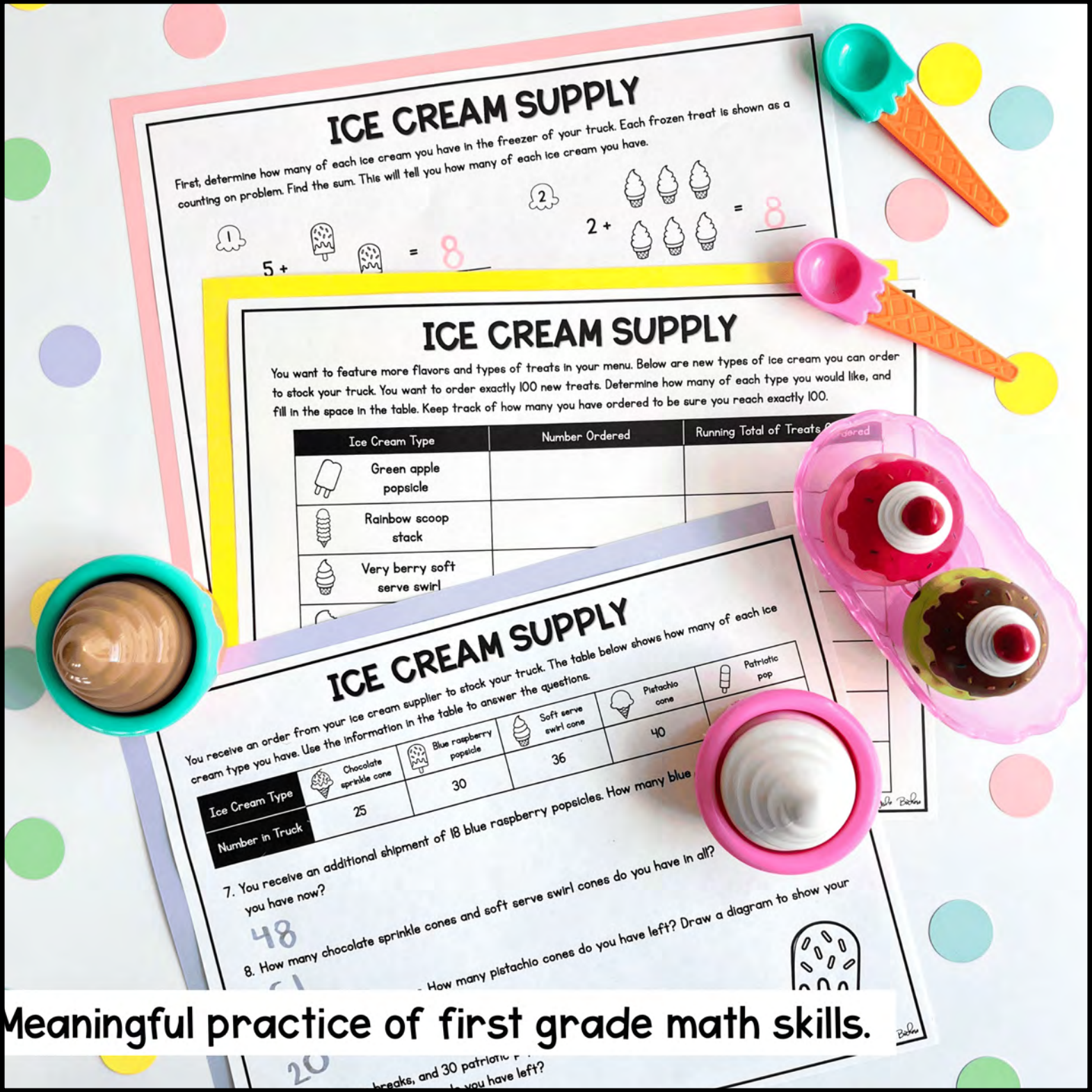
ICECREAM TRUCK MANIA

Project Based Learning

1st Grade Print & Google Slides




HUNGRY CUSTOMERS
The pictograph below shows how many people purchased ice cream from the truck at each stop today. Use the data in the pictograph to answer the questions.
NUMBER OF CUSTOMERS PER STOP
Highland Street
1. How many customers purchased ice cream at the James Avenue stop?
5 customers
2. How many more people purchased ice cream at Poplar Drive than Highland Street?
3 customers
HUNGRY CUSTOMERS
It's Saturday, so you take your ice cream truck to the neighboring town of Mapledale. The clipboard below shows how many customers purchased ice cream at four different stops. Plot the data on the bar graph to answer the questions. Then, use the bar graph to answer the questions by shading each bar.
HUNGRY CUSTOMERS
Use the bar graph you made on the previous page to answer the questions below.
1. Which stops had more customers than the stop at Lake Court?
Elmwood Drive and Arbor Way
2. How many more people bought ice cream at Arbor Way than at Elmwood Drive?
2 more people
3. How many customers purchased ice cream in Mapledale in total?
23 customers
STOP
Real Chocolate Syrup
• Realistic learning situations
• Print & Go, Low Prep



Meaningful practice of first grade math skills.

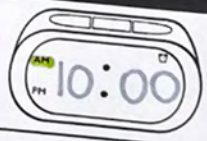
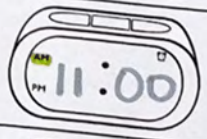
3. Due to traffic, the ice cream truck arrives a half hour late to [illegible]. What time does it arrive?

[illegible] earliest stop (1) to the latest stop (3).

ICE CREAM TRUCK STOP SCHEDULE

You decide to bring your ice cream truck to the neighboring town, Mapledale, on Saturdays between 10 am and 12 pm. Below is a map of Mapledale. Choose 4 new stops for your ice cream truck in Mapledale. Pick locations that you think will attract many customers. Label each stop on the map. On the table, create a schedule for the Mapledale stops. The stop times you can choose from are: 10:00, 10:30, 11:00, 11:30, and 12:00.



Stop	Time	Show on Clock
#1	10:00	
#2	10:30	
#3	11:00	
#4	11:30	