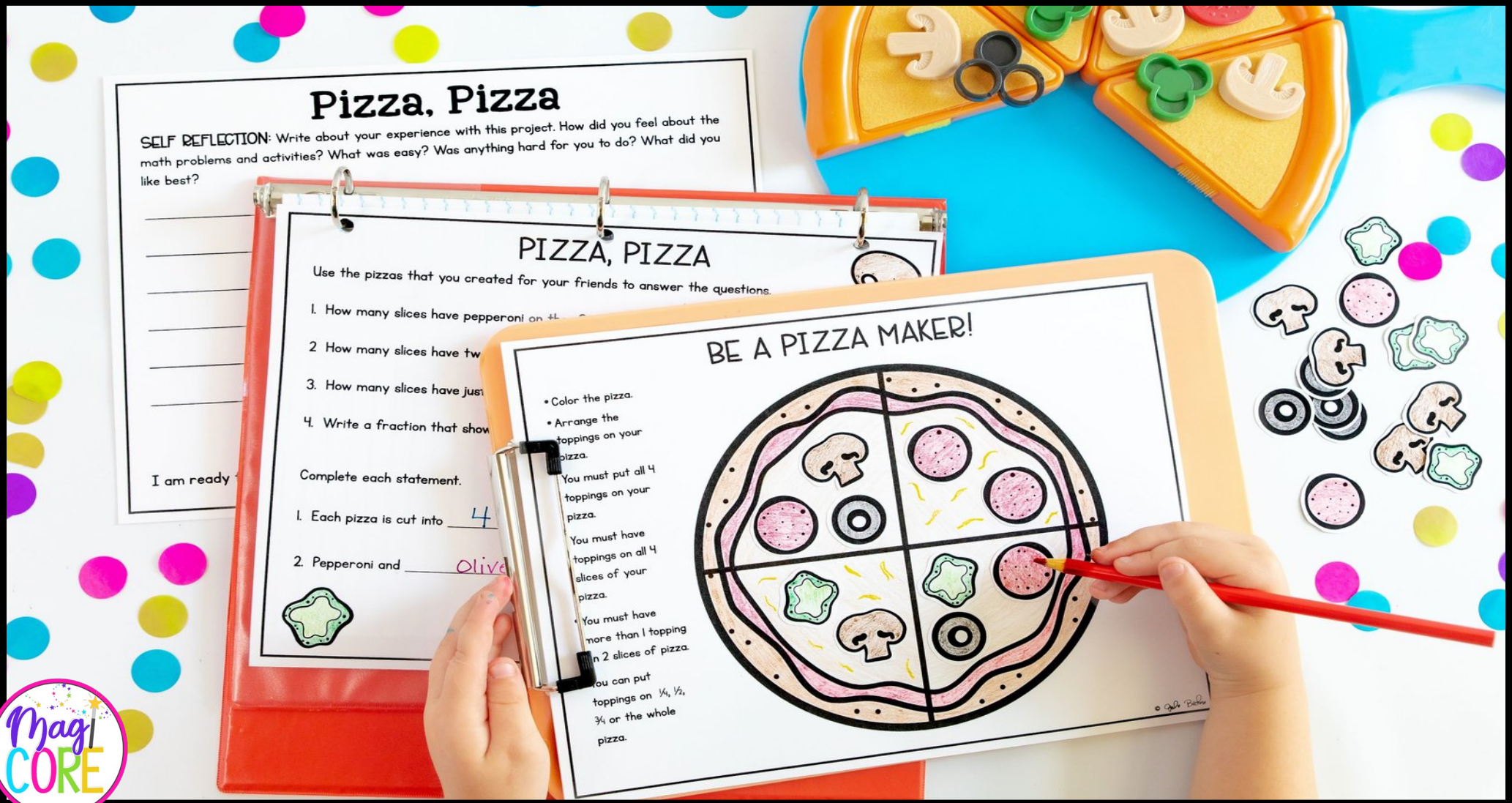
PIZZA FRACTIONS

Project Based Learning

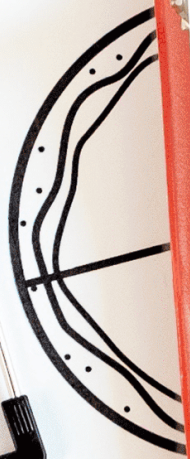
1st Grade Print & Google Slides



PIZZA, PIZZA

Ali likes green pe

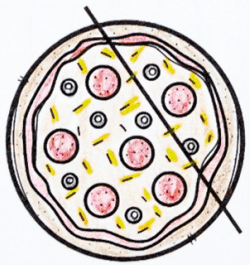
Kelly likes peppe



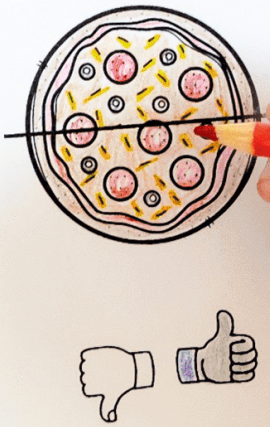
PIZZA, PIZZA

Mrs. Domino owns the best pizza shop in town. It is called Pizza, Pizza. Today is your first day working at Pizza, Pizza. You are learning how to cut the pizzas.

Look at the pizzas and how they are cut. If the pizza is cut into equal size slices, color the thumbs up. If it is not cut into equal size slices, color the thumbs down.







© Julie Brehm

Ali likes green peppers

Kelly likes pepperoni

James likes

mushrooms

PIZZA, PIZZA

Use the pizzas that you created for your friends to answer these questions.

1. How many slices have pepperoni?

2 How many

0
4

CHALLENGE 1

(OPTION 1)

Your class voted for their favorite pizza toppings. Your teacher asks you and your classmates to create a bar graph using the data collected. Shade the squares to show the number of people who picked that topping as their favorite.

PEPPERONI 𝍸

MEATBALLS 𝍸 𝍸

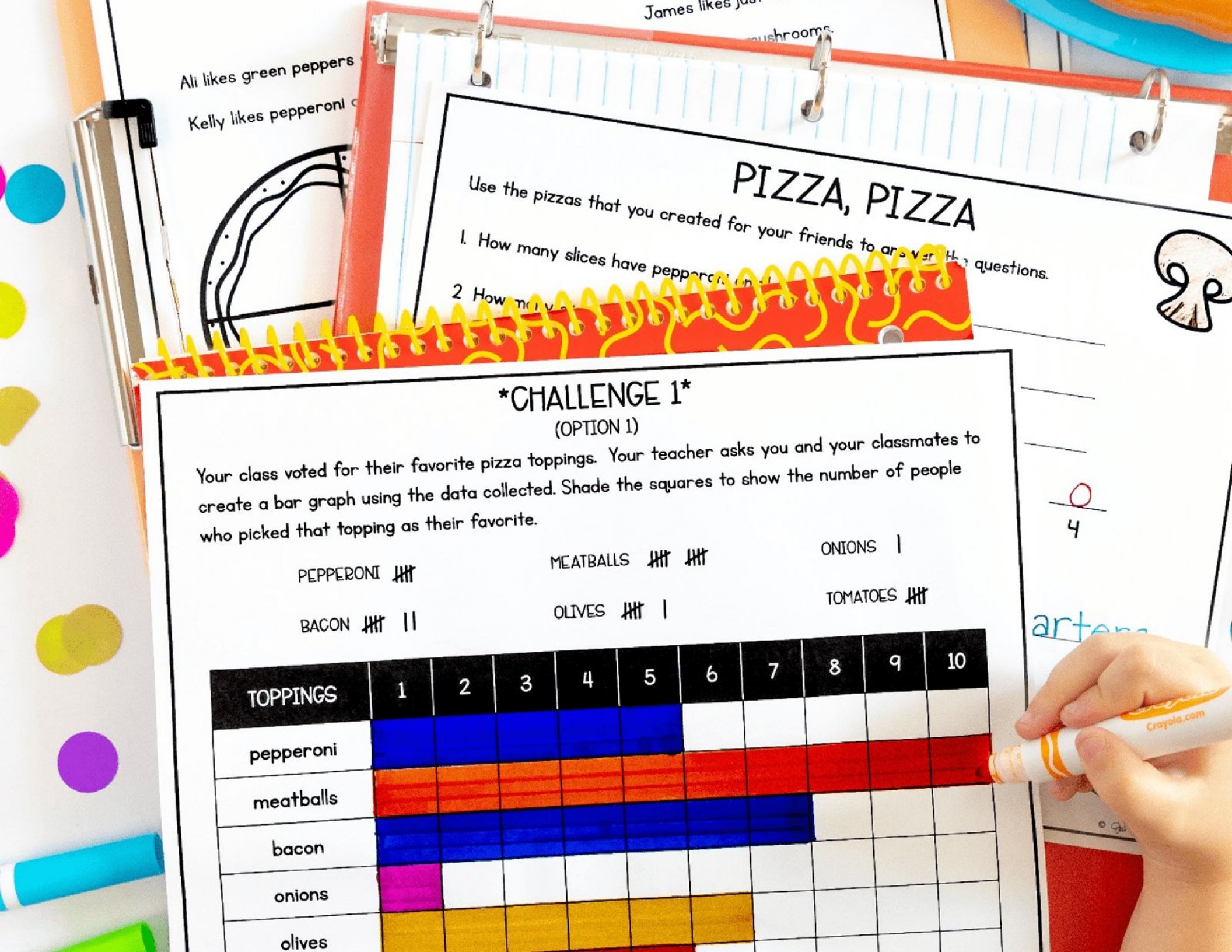
ONIONS |

BACON 𝍸 ||

OLIVES 𝍸 |

TOMATOES 𝍸

TOPPINGS	1	2	3	4	5	6	7	8	9	10
pepperoni										
meatballs										
bacon										
onions										
olives										




PIZZA, PIZZA
Mrs. Domino sells three different shapes of pizza. She sells round pizzas, square pizz
rectangular pizzas. Use the line tool to show how you will cut each pizza into halves
CUT INTO HALVES
CUT INTO QUARTERS
1/6
1/5
1/8
1/4

Table of Contents

1. Directions for the Teacher
2. Welcome to Pizza Pizza
3. Cutting Pizzas
4. Pizza Toppings
5. Ordering Pizzas
6. Be a Pizza Maker!
7. Make the Cut
8. Challenge 1
9. Challenge 2
10. Challenge 3
11. Self-Reflection
12. Rubric
13. Answer Key



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For the Teacher

Pizza, Pizza is a project-based learning activity that involves using the Geometry CCSS Math Standards to solve problems related to making and sharing pizza. It can be used with students in grades 1.

- Version 1 for grade 1 and differentiation in grade 2.

Directions:

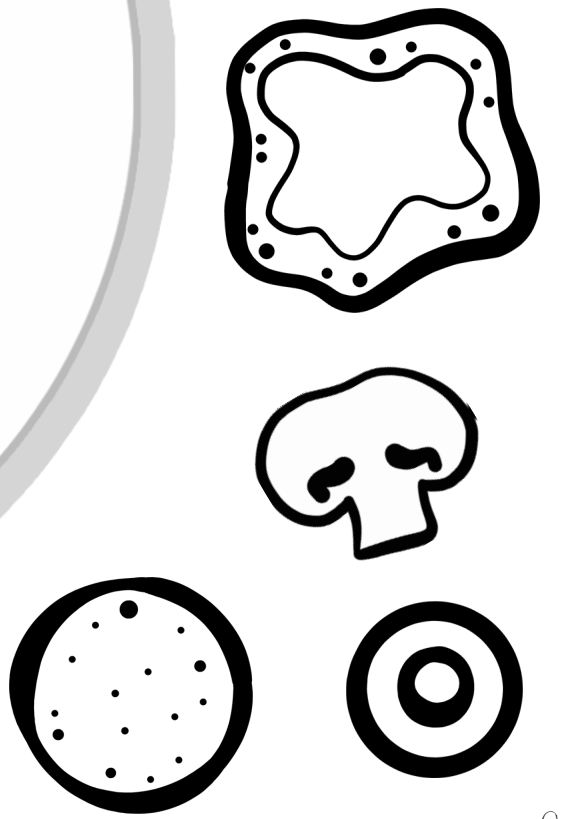
1. Decide if your class will complete the project as a whole group, in small groups or independently.
2. Students should complete the project over several days.
3. Preview the activity with your students.
4. Students will work with equal parts, beginning fractions and partitioning of shapes.
5. Challenge activities can be assigned or can be optional.
6. Students will complete the self-evaluation reflection and evaluation rubric.
7. Allow students an opportunity to share their completed projects.

© Julie Bocheso

Pizza, Pizza

Welcome to your spicy PIZZA adventure. In this packet you will find lots of activities that require you to use your best math thinking with fractions and more. You will have the opportunity to be creative while having lots of fun.

- Read each page carefully.
- Follow the directions for each page.
- Use strategies that will help explain your thinking.
- Take your time and do your best work.
- Give the challenge pages a try.
- Complete the self-reflection and evaluation rubric.
- Have fun!

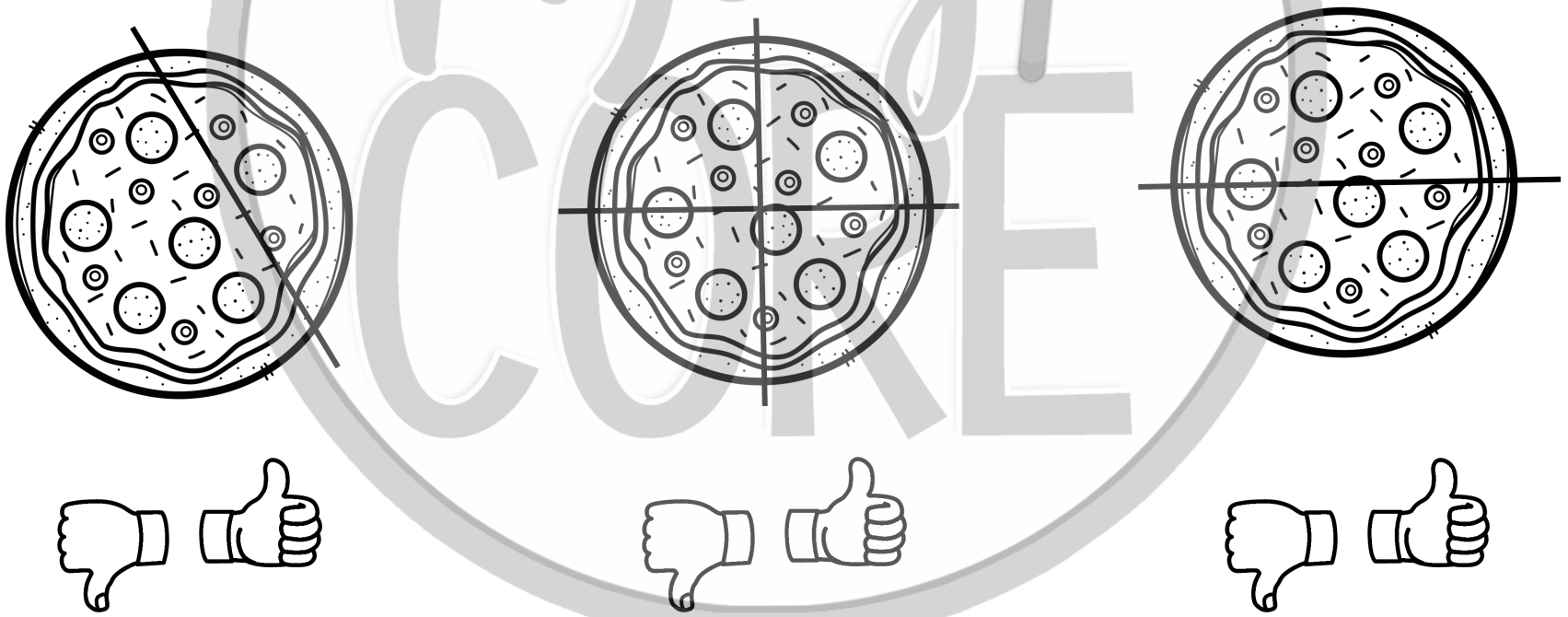


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PIZZA, PIZZA

Mrs. Domino owns the best pizza shop in town. It is called Pizza, Pizza. Today is your first day working at Pizza, Pizza. You are learning how to cut the pizzas.

Look at the pizzas and how they are cut. If the pizza is cut into equal size slices, color the thumbs up. If it is not cut into equal size slices, color the thumbs down.



© Julie Bochorso

PIZZA, PIZZA



Use the pizzas that you created for your friends to answer the questions.

1. How many slices have pepperoni on them? _____

2 How many slices have two toppings on them? _____

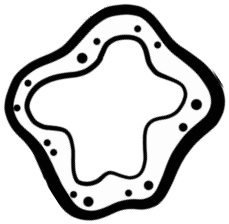
3. How many slices have just cheese on them? _____

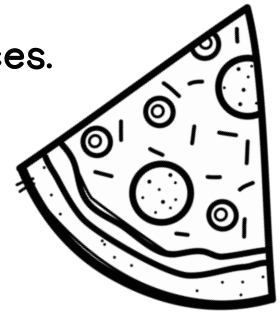
4. Write a fraction that shows how many slices have just cheese on them. $\frac{____}{4}$

Complete each statement.

1. Each pizza is cut into _____ equal slices. The pizzas are cut into _____

2. Pepperoni and _____ are on the same number of slices.



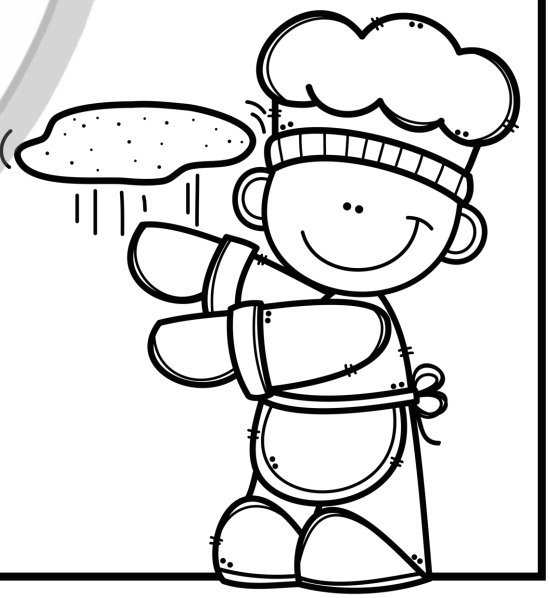


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BE A PIZZA MAKER!

You will be creating the perfect pizza to share with your best friend.
Follow the directions below to help you make the best pizza ever!

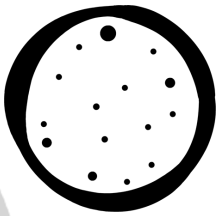
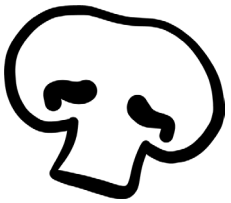
1. Color the pizza yellow. Color the toppings.
2. You must put all 4 toppings on your pizza.
3. You must have toppings on all 4 slices of your pizza.
4. You must have more than 1 topping on 2 slices of pizza.
5. Cut out the toppings. Arrange them on your pizza.
6. You can put toppings on ¼, ½, ¾ or the whole pizza.
7. After you have the toppings arranged the way you want them, glue them on your pizza.



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PIZZA TOPPINGS

1. Color the toppings.
2. Cut them out.

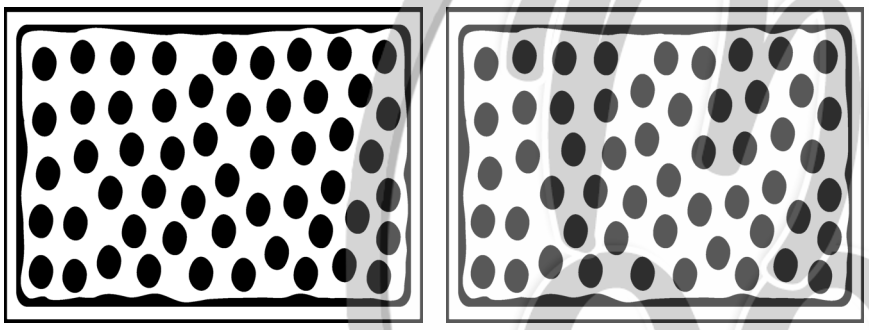
Red Pepperoni						
Green Pepper						
Black Olive						
Brown Mushroom						

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MAKE THE CUT!

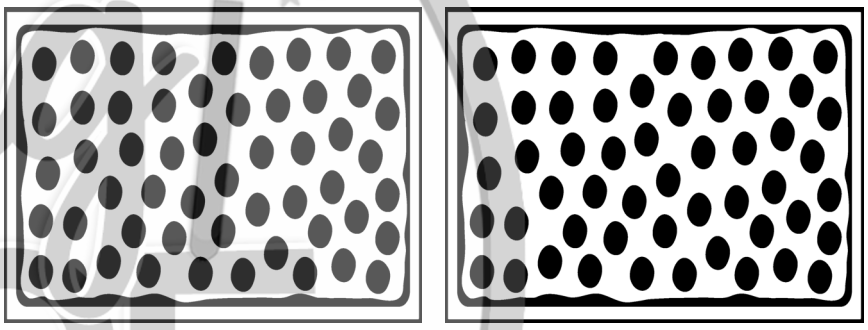
Andrew and Kristen come into PIZZA, PIZZA with their parents to celebrate winning the soccer tournament. They order 4 pizzas and soda. Dad asks for two pizzas to be cut into halves for the adults and two pizzas to be cut into quarters for the children.

1. Cut into halves for the adults.



How many 1/2 slices of pizzas did you make?

2. Cut into quarters for the children.



How many 1/4 slices of pizzas did you make?

3. How many slices of pizza can each adult eat? Show with an equation.

4. Kristen eats three slices of pizza. How many slices left for Andrew to eat? Show with an equation.

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CHALLENGE 1

(OPTION 1)

Your class voted for their favorite pizza toppings. Your teacher asks you and your classmates to create a bar graph using the data collected. Shade the squares to show the number of people who picked that topping as their favorite.

PEPPERONI 𝍸

MEATBALLS 𝍸 𝍸

ONIONS |

BACON 𝍸 ||

OLIVES 𝍸 |

TOMATOES 𝍸

TOPPINGS	1	2	3	4	5	6	7	8	9	10
pepperoni										
meatballs										
bacon										
onions										
olives										
tomatoes										

© Julie Bochoso

CHALLENGE 3

Mrs. Domino wants help to advertise the spring specials at PIZZA, PIZZA. She has asked you to make a poster to hang in the shop window. The purpose is to persuade customers to come in and eat her delicious pizza!

Here's what you need to include in the advertisement:

- Buy 2 or more large pizzas and get a green salad for 99 cents.
- Add green peppers to any size pizza for free.
- All veggie pizzas are 2 dollars off.
- All sodas are 25 cents when you order two pizzas.

Use a large piece of poster board or construction paper to make your poster. Have fun and be creative.

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Pizza, Pizza

SELF REFLECTION: Write about your experience with this project. How did you feel about the math problems and activities? What was easy? Was anything hard for you to do? What did you like best?

RATE THIS PROJECT

Circle the statement you most agree with.

I am ready for something harder It was just right I found this very challenging

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Pizza, Pizza

SELF REFLECTION RUBRIC: Shade the one box of the rubric for each row that expresses how you would rate yourself on this math project.

I felt very confident about the math in this project.	I felt good about most of the math in this project.	A lot of the math was hard for me to do alone.
I understood the math problems. I did not need help to complete the problems.	I understood most of the math problems. I needed help to solve some of the problems.	I understood some of the math problems. I needed help to solve most of the problems.
I used good strategies to solve the math.	I needed a little help using the best strategies for solving some of the math problems.	I did not know the best strategy to use for many of the math problems.
I am ready for harder math.	I want more time practicing similar math problems.	I need help to complete similar math problems.

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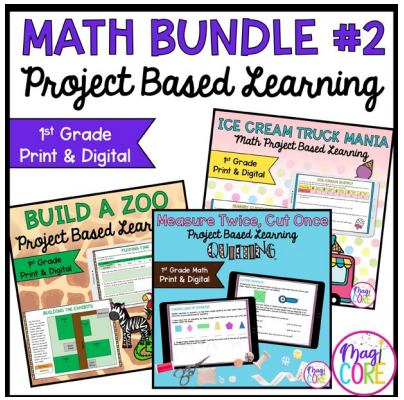
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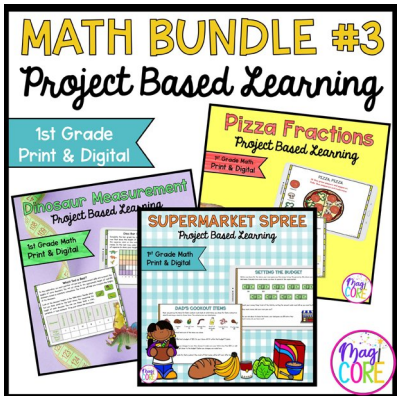
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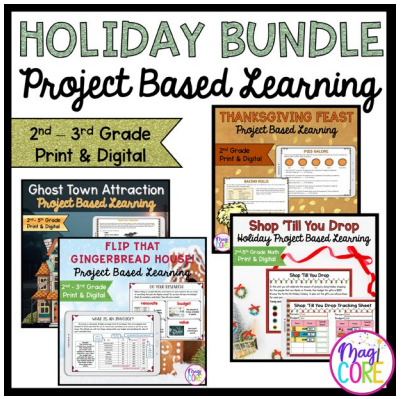
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