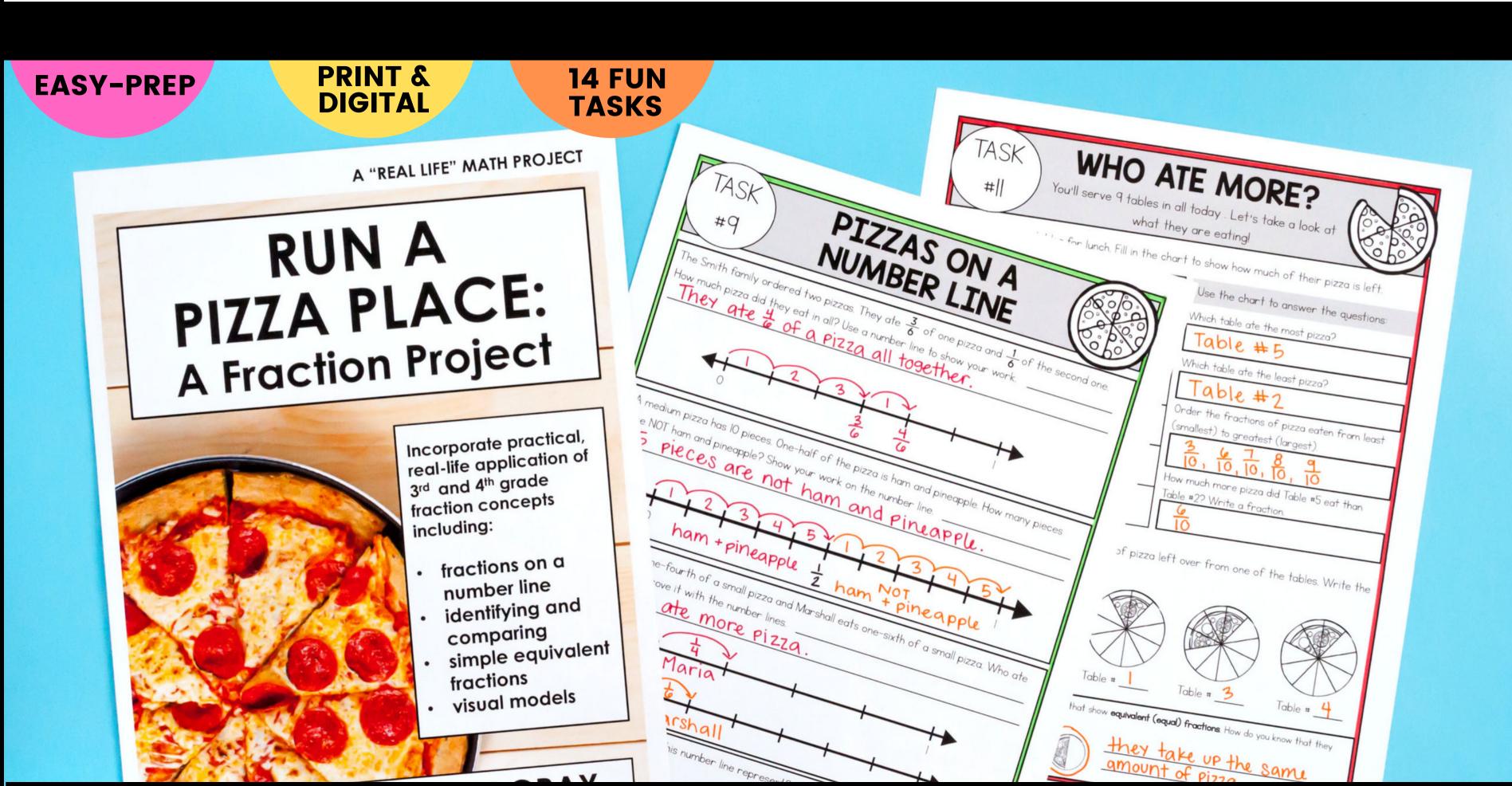
RUN A PIZZA PLACE FRACTION PROJECT



Fractions are **fun** and **easy-to-understand** when the content is relevant and engaging!

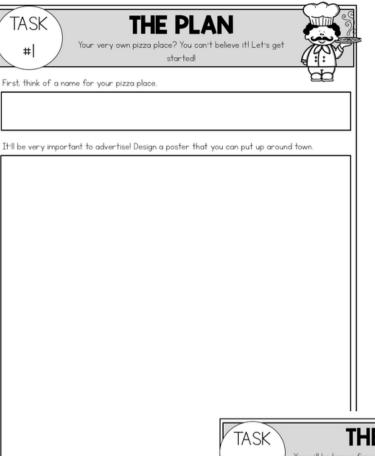
This high-interest, jam-packed fraction project will bring fractions to life for your students, helping them understand what fractions really mean and how they are used in the real world.

"WOW! THIS PROJECT COVERS IT ALL. MY
STUDENTS WERE SO FRUSTRATED WITH
FRACTIONS; THIS PACKET ALLOWED ME
TO BREAK DIFFERENT DOMAINS DOWN
INTO DETAIL AND EXPLANATION. WE
ENJOYED DOING THIS AS A CLASS OVER
TIME. IT IS ALSO FUN TO SEE THEM
CREATE THEIR OWN PIZZA POSTER." MARIA



YOUR STUDENTS WILL...

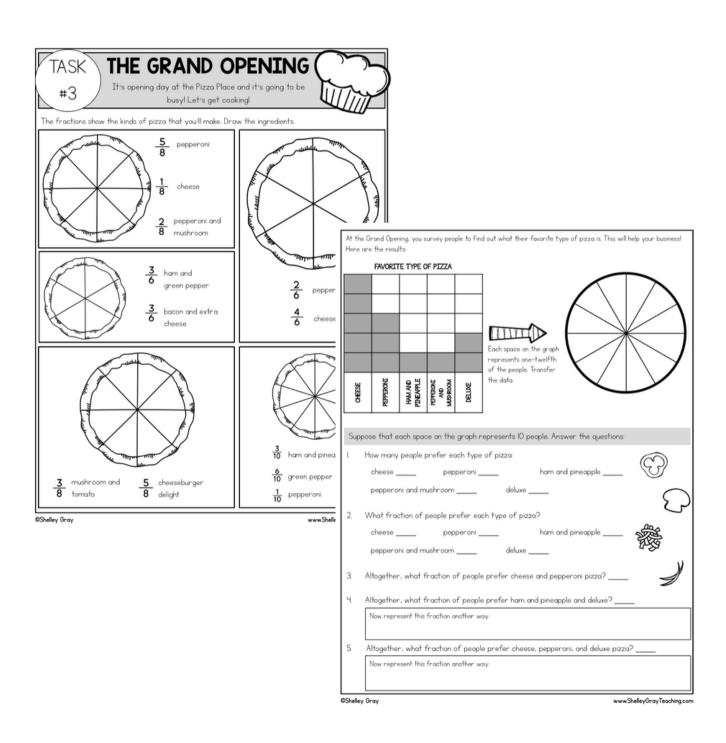
Brainstorm a restaurant name and design a poster to advertise.



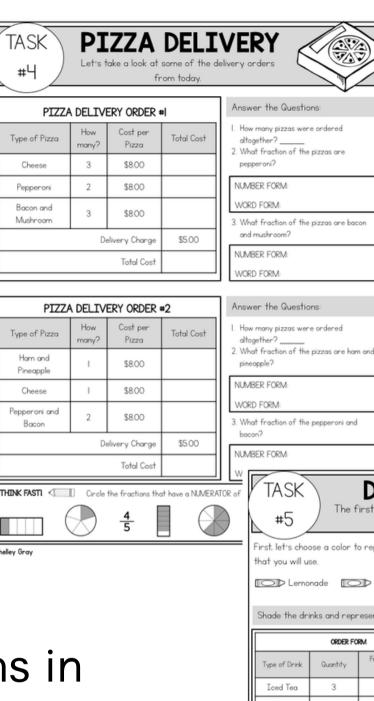
Work with fractions and money to complete the missing menu prices.

#2	THE MEN will be known for your amazing pizza to offer other choices too. Let's cre	, but it's important		
MENU				
PIZZA	OTHER MEAL OPTIONS	BEVERAGES		
Pizza by the Slice: \$	Spaghetti and Meatballs: \$5.00	Lemonade: \$150		
Small Pizza: \$8.00	Lasaana: \$4.00	Iced Tea: \$150		
Medium Pizza \$10.00	Pasta Alfredo: \$4.00	Juice: \$100		
Large Pizza: \$	Side Salad: \$	Coffee: \$100		
	Basket of Garlic Toast: \$	Tea: \$100		
	00 more than a medium pizza.			
	toast is one-half of the price of a medium	m pizza.		
A basket of garlic :				
	this out? Show your work.			
	this out? Show your work			

Represent fractions on visual models and interpret fraction data.



Work with fractions in different forms and identify numerators.

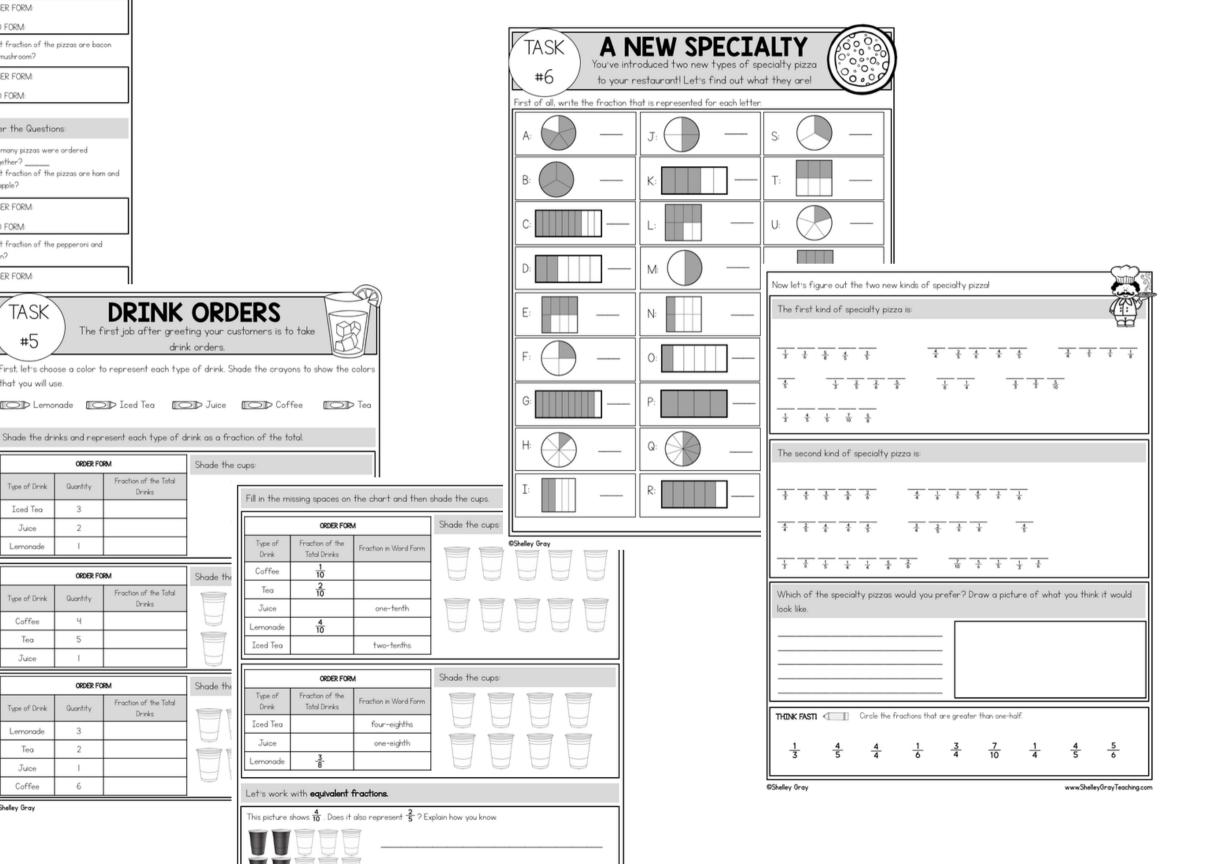


OPDER FORM

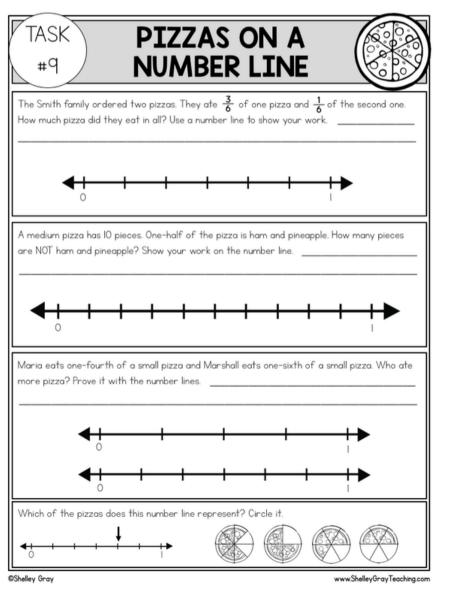
ORDER FORM

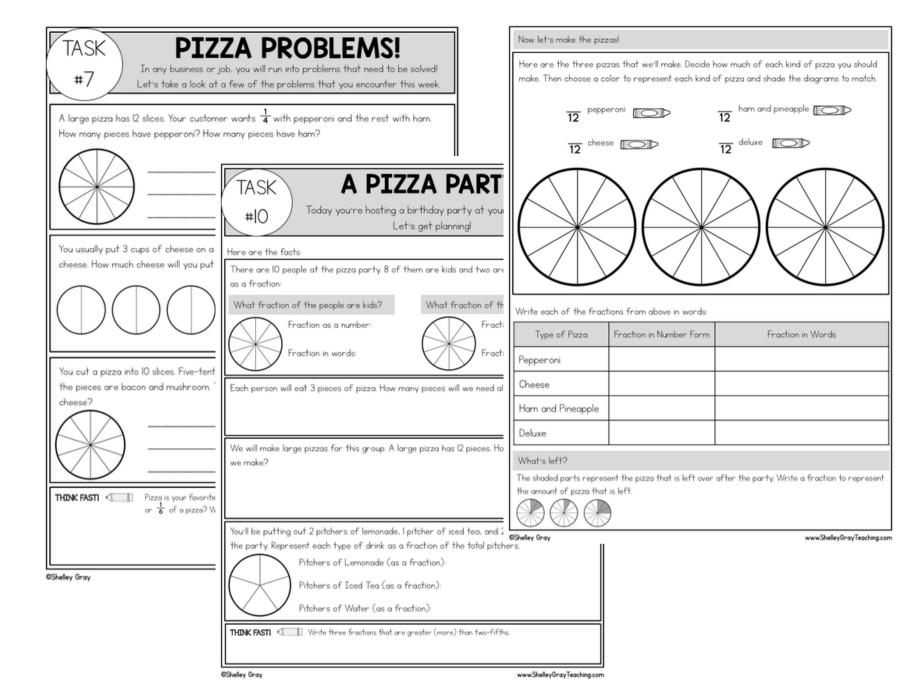
Represent fractions in word form, number form and with visual models & work with simple equivalent fractions.

Identify fractions using visual models and compare to one-half.



Problem-solve using fractions, compare, and represent in word and number form.





Represent fractions on a number line.

Add simple fractions.

TASK	DOUBLE THE	
#8	INGREDIENTS	

A large pizza uses twice the amount of each ingredient as a small pizza. Double each amount on the chart to show the amount for a large pizza.

Ingredient	Amount for a Small Pizza	Double the fraction.	Amount for a Large Pizza	
Sauce	1 cup	$\frac{1}{2} + \frac{1}{2} = cup$	l cup	
Cheese	1/2 cups			
Pepperoni	1/3 cup			
Ham	1 cup			
Mushrooms	2 cup			
Pineapple	1 cup			
Green peppers	1 cup			
Tomatoes	2 6 cup			

Oh no! You ran out of cheese! You need I cup and you only have $\frac{4}{6}$ of a cup. How much more cheese do you need?

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WHO ATE MORE? Decompose, compare and order, TASK You'll serve 9 tables in all today . Let's take a look at what they are eating and compare using number lines. Use the chart to answer the questions: Table Amount of Amount of Pizza Eaten Pizza Left Number Which table ate the most pizza? Table #1 Which table ate the least pizza? Table #2 6 10 low you're serving 4 more tables! All of the tables order a large pizza, but 2 tables want their Table #3 izza cut into 6 pieces instead of 12. The chart below shows the amount that each table ate. 7 10 Circle three of the fractions in the chart Table #4 Write each one in word form. Pizza Eaten Pizza Left Number Table #5 10 table number beneath each pizza Which table ate the most pizza? Who ate more pizza - Table #2 or Table #3? How do you know? Use the number lines to prove it. THINK FASTI Circle the two pizzas that Which two tables ate the same amount of pizza? Use the diagrams to help you show your work A PIECE AT A TIME TASK You've set up a pizza stand on the street outside your restaurant for the street festival. How much pizza will you sell? So far 5 people have bought pieces of a small pepperoni pizza. Here are the fractions of a pizza that each person bought. www.ShellevGravTeachina.com How much pizza has been purchased so Circle the fraction below that represents one full pizza. Then represent a full pizza far? Show the total on the diagrams.

Your pizza stand continues to be busy all day! At the end of the day, here is what you have

FRACTION AS A NUMBER:

FRACTION IN WORDS:

left. Write each amount as a fraction in numbers and in words.

FRACTION IN WORDS:

Represent as a traction.

		\ #14 /	ork at a pizza place it's important to understand it ich piece is depending on how the pizza is cut.
		Which is more? Circle the fra	ction that is more and prove it using the diagram.
	RVICE COMES FIRST!	3/8	<u>6</u> 4/8
A customer comes in today and says, "I just went to pizza is way cheaper than yours! It's \$4 for \frac{1}{8} of a pizza at the place across the street!" You decide expensive, but there's more to the story! Take a loo say to this cus	a ptzza at your restaurant and only \$3 for \$\frac{1}{8}\$ of to investigate. You find that your pizza IS more k at the pictures. zza the same at both restaurants? What will you	$\frac{1}{4}$ $\frac{1}{2}$ $\frac{1}{3}$ When the	3 4 Complete this se
One of your customers just came in to grab his repizza. But on the way out he drops the box! "Oh no pizza on the floor!" You don't waste any time replacements in every Sunday and you want to treat him him? The phone rings. It's another order! "Hello, I'd like person will be eating \$\frac{3}{6}\$ of a small pizza. I'd also like recommend for this customer?	You have a customer on the phone ordering a pizza. She so I need $\frac{3}{6}$ cheese and $\frac{3}{6}$ ham? "Ok," you reply, "so that's $\frac{1}{2}$ cheese and $\frac{1}{2}$ ham?" "No," the customer responds. "I said $\frac{3}{6}$ cheese and $\frac{3}{6}$ h "Let me explain," you begin. Explain to the customer why you are right about her order	om'	the same, the big fraction is.
iShelley Gray	As you walk through the restaurant, a man at a table get asked for $\frac{1}{2}$ a cup of cheese on this pizza, but it still tast says, "Oh dearl I accidentally put on $\frac{3}{4}$ of a cup of cheese than what should have been added?	es too cheesy!" You ask the cook and she	Work wi
		ch piece to be twice the size that it usus	illy _
	What are they?	0.1.0.7.1	

MORE OR LESS?

Work with

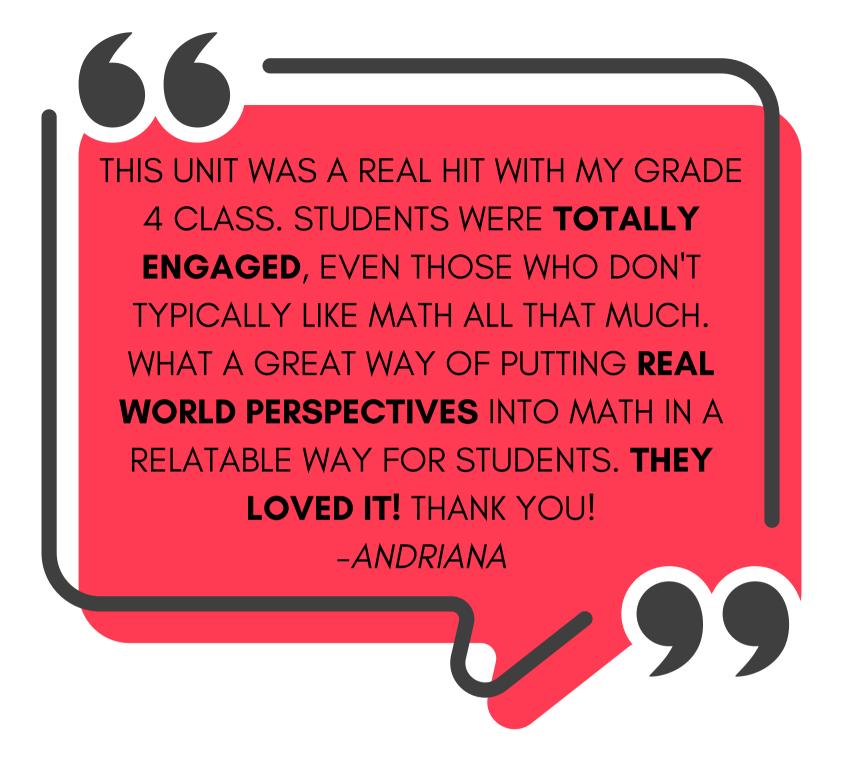
numerators,

to compare.

denominators,

and number lines

TASK



Are you ready to take fractions to the next level for your students?

