


# FRACTIONS

## CONCEPTS COVERED:


- EQUAL PARTITIONING
- IDENTIFYING FRACTIONS OF A SET
- FAIR SHARING & IDENTIFYING FRACTIONS
- READING COMPREHENSION SKILLS
- READING FLUENCY

# MATH QUESTS

### Lion's Den



WHAT FRACTION OF THE RECTANGLE IS SHADED?




You decide to follow the sound of angry roaring lions. Maybe they're roaring at the thief who stole the ringmaster's lucky charms!

As you walk up to the Lion's Den, you find that the arena is closed. The lions and the lion tamer must be preparing for the show. That's okay! You can just let yourself in. After all, Ringmaster Ralph himself asked you to find his missing items. That means you can search the whole circus!

You try to push open the door to the arena, but it is locked. You're about to go back and ask Ralph to unlock it for you when you see a keypad. It looks like there's a math problem taped to the door, too. If you solve it, you can use the answer sure to unlock the door!

$\frac{3}{4}$     $\frac{3}{7}$     $\frac{7}{3}$

### Lion's Den



You punch your answer into the keypad, trying to hurry. You've got to calm the lions down and catch the thief inside the arena!

The keypad lights up green, and you hear a gentle "click" as the door unlocks. You let yourself in. The lions don't even look up when you walk in. They're too busy roaring at a man backed up against one wall of the arena.

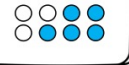
The man, however, does not look like a thief. He isn't even wearing a top hat or holding a baton! Actually, he looks like...

"Are you the lion tamer?" You ask.

"Yes!" He replies fearfully. "Although I'm not doing a great job at taming these lions. I forgot to feed them! Can you get their dinner for me? It's in that cage over there!" He points across the arena at a crate full of steaks.


You're a little scared to feed three roaring, hungry lions, but you don't want the lion tamer to get hurt! You rush over to the cage, but it's locked. Just like the door, you need to solve a math problem to get the lock to unlock!

WHAT FRACTION OF THE SET IS BLUE?




$\frac{5}{3}$     $\frac{3}{5}$     $\frac{8}{5}$     $\frac{5}{8}$

### Clown House



WHAT FRACTION OF THE SET IS ORANGE?



You think for a few minutes before giving the mc clown house to talk to those clowns! You're runni must have noticed something.

The man nods. "That's it," he says. "Go on, then. Ye aside and motions for you to head into the tent.

You go into the clown house and look around for someone to ask about the ringmaster's missing items. But there doesn't seem to be anyone around.

After a few minutes, you spot a door labeled "BACKSTAGE." All the clowns must be back there, getting ready for the show. You head over to look inside, but the door is locked.

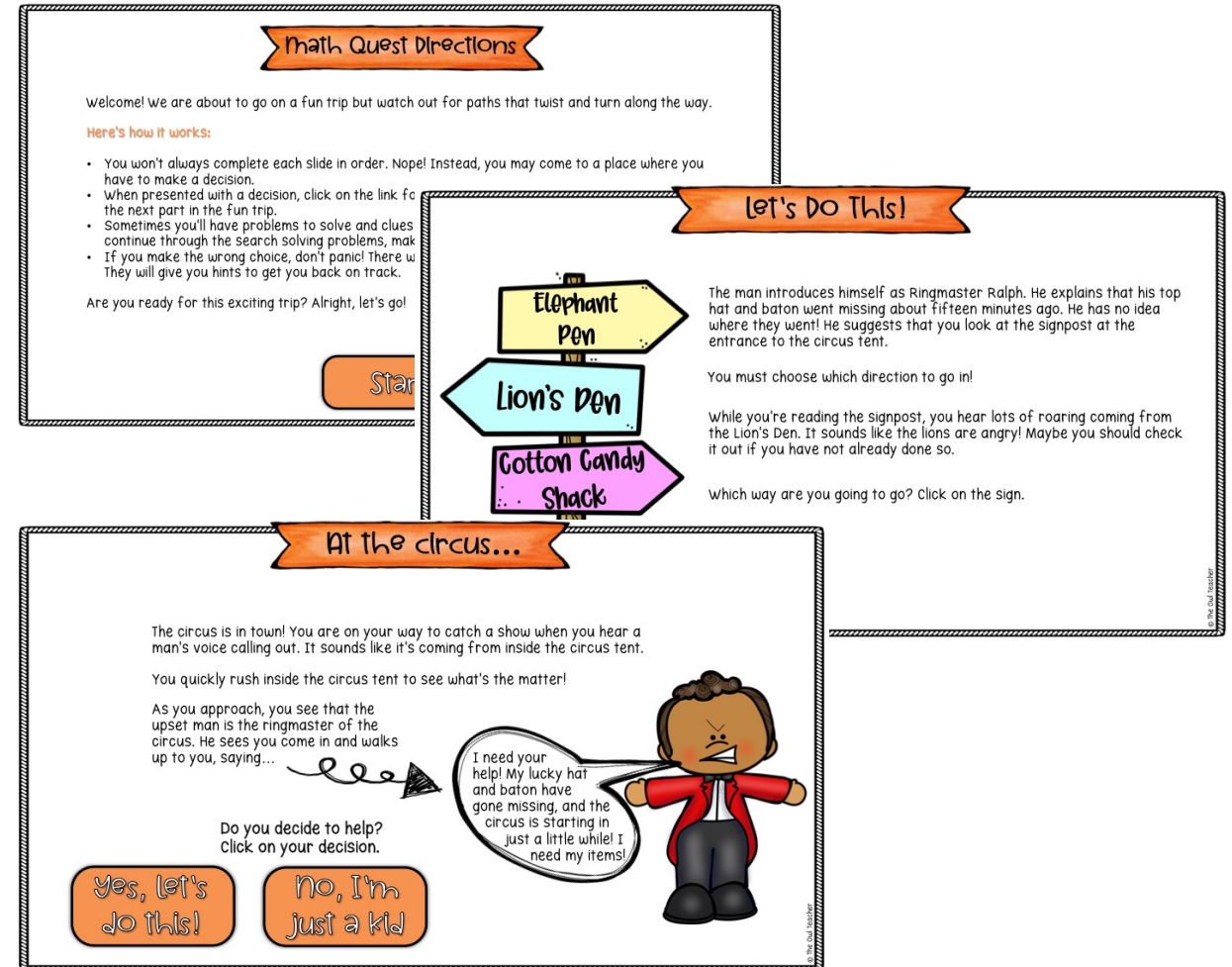
There is, however, a keypad nearby with a matching math problem! You know the drill by now: solve the problem to unlock the door.

$\frac{2}{9}$     $\frac{2}{7}$     $\frac{7}{2}$     $\frac{9}{2}$

# GET STUDENTS EXCITED ABOUT LEARNING

# WHAT'S IT ABOUT?

- STUDENTS GO ON A QUEST SIMILAR TO CREATING YOUR OWN ADVENTURE DOWN MANY PATHS FINDING CLUES AND ITEMS
- ALONG THE WAY THEY SOLVE MATH PROBLEMS AND A MYSTERY
- WHEN THEY GET THE ANSWER WRONG, ADVICE IS OFFERED TO HELP SOLVE IT CORRECTLY
- EACH READING PIECE IS CAREFULLY CRAFTED TO THE GRADE LEVEL OF THE STANDARD



## GET HIGH-QUALITY, ENGAGING RESOURCES

# WHAT'S THE OBJECTIVE?

- TO DETERMINE WHAT STUDENTS KNOW ABOUT THE CONCEPTS RELATED TO IDENTIFYING FRACTIONS.
- TO BUILD AND PRACTICE READING SKILLS SUCH AS FLUENCY AND COMPREHENSION.
- TO BUILD TECHNOLOGY SKILLS.
- TO CREATE ENGAGEMENT IN THE MATH CLASSROOM.



## SAVE TIME PLANNING WITH DETAILED ACTIVITIES



# HOW CAN IT BE USED?

## Multiple Uses in the Classroom

- SMALL GROUPS
- MATH CENTERS
- WHOLE CLASS ACTIVITIES
- PARTNER ACTIVITIES
- EARLY FINISHER ACTIVITIES
- AND SO MUCH MORE!

### Elephant Pen

You tap your answer into the keypad and push at the stable door. The lock on the gate clicks open. All right! You head into the large stable. There are big elephant-shaped footprints all over the ground, but you don't see any human footprints. Does that mean Ellie left the stable all by herself?

You're checking out the footprints when you notice the trail heading toward the back of Ellie's stable. You follow the elephant tracks over to the stable wall, where they stop.

You study the wall for more clues. The wall is shorter than the others. Is it possible that Ellie could have jumped over it and gotten free? She would have needed to climb onto something first, but it's possible. You look around and spot a large bale of hay nearby. That's it! Ellie must have climbed onto the hay and then jumped over the wall. You decide to do the same thing. You need to find Ellie, and you're sure the elephant tracks will continue on the other side. You step on the bale of hay and then climb over the wall, being extra careful as you land on the other side.

Sure enough, there are more elephant tracks over here! You follow them over to the elephants' training ring. The tracks stop at the door. Ellie must be inside! All you have to do now is unlock the door. The lock to this door is the same as all the others. You know what that means! It's time for some math!

FIVE FRIENDS SHARE THREE BROWNIES. IF THEY ALL GET THE SAME AMOUNT, HOW MUCH DOES EACH FRIEND GET?

$\frac{2}{3}$  brownie    $\frac{2}{5}$  brownie    $\frac{3}{5}$  brownie    $\frac{1}{2}$

### Cotton Candy Shack

You give Cotton Candy Cathy your answer. You lick your lips as you look at all cotton candy on the shelves behind her. "That's right!" She responds excitedly. "Now, you can pick a stick of cotton candy." She waves toward the shelves full of the sugary candy. But as you're looking at the sticks, trying to pick out the biggest one, you realize that they all have different symbols on the stick. What could that mean?

You look around for some kind of clue. Cotton Candy Cathy looks at you. "Are you looking for something?" She asks.

You shrug. "I'm not sure," you reply. "I'm trying to figure out why the cotton candy sticks have different shapes on them."

Oh! If you can match the cotton candy to the math problem, you can win your cotton candy. The problem is right here! She is right. There's a problem painted onto the wooden board.

WHICH OF THESE SHAPES ARE NOT DIVIDED INTO EQUAL PARTS?

$\frac{2}{3}$     $\frac{2}{5}$     $\frac{3}{5}$     $\frac{1}{2}$

### Clown House

SIX FRIENDS SHARE TWO PIZZAS. IF THEY ALL GET THE SAME AMOUNT, HOW MUCH PIZZA WILL EACH FRIEND GET?

You quickly tap your answer into the keypad, trying to push the door open. What kind of circus even had doors, anyway?

This circus does! The door swings open. Looks like you answered correctly! You walk into the backstage area.

There are lots of clowns back here! Most of them are still getting ready for the show.

You're about to interrupt a clown putting on her makeup when someone walks up to you. "Hey, hey, hey, kiddo!" They call out. You look over to see a fully-dressed clown with a big red nose and huge floppy shoes approaching. He gives you a big smile. "Are you here for the show?" He asks.

You nod and hold up the clown nose that you found in your cotton candy. The clown claps his hands together excitedly. "Oh, boy!" He says, "You won a performance! All you have to do is solve this math problem, and I'll give you a show!"

$\frac{2}{3}$     $\frac{1}{3}$     $\frac{6}{2}$     $\frac{2}{8}$

TAKE YOUR WEEKENDS BACK TO DO WHAT YOU LOVE!

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Take **BACK YOUR**  
**WEEKENDS** without  
**SACRIFICING**  
high-quality **RESOURCES!**

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**The Owl Teacher**