

# SOLVING WITH SLICES

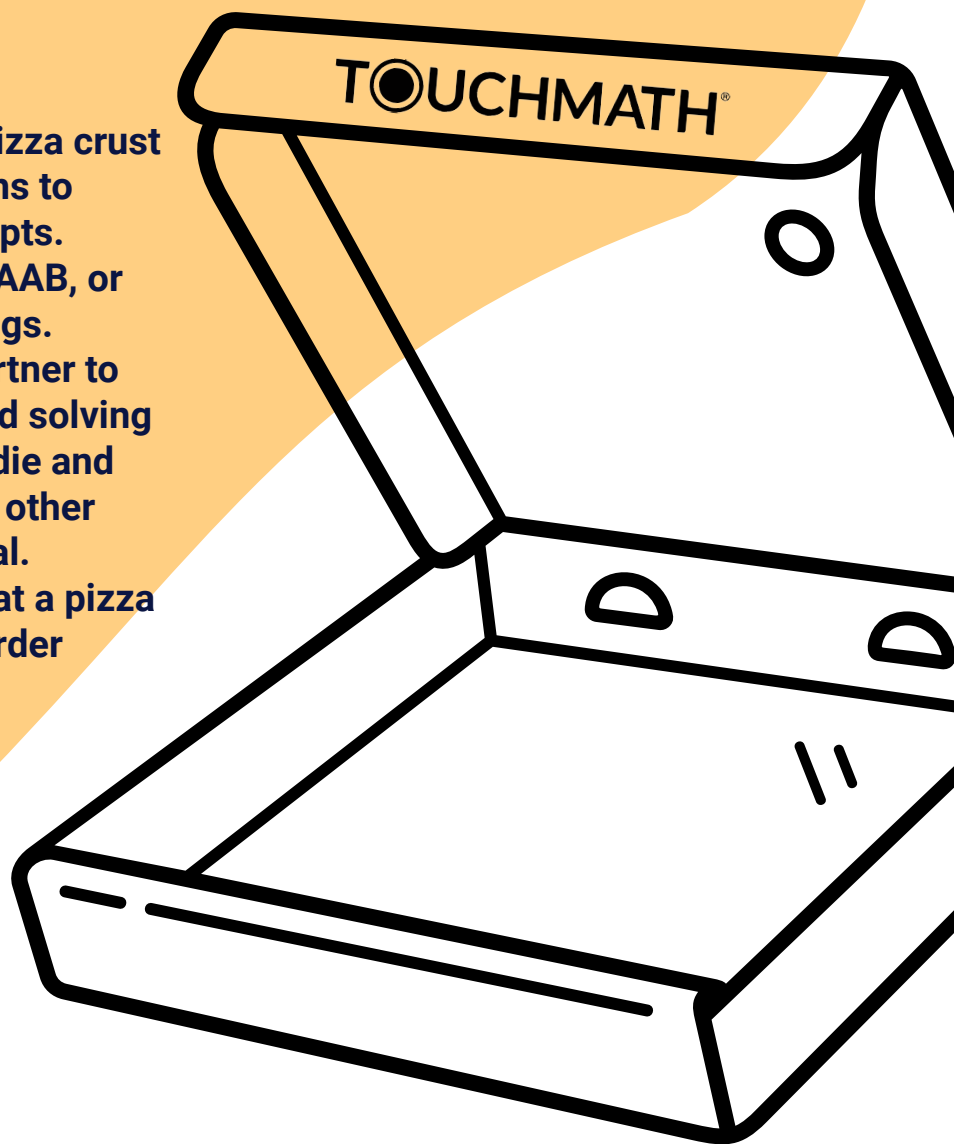
A hands-on, make-your-own game to practice early math skills using pizza-themed manipulatives.

## Instructions:

- Print, color, and cut out your pizza crust and toppings.
- Arrange your toppings to solve word problems.
- Use the provided math word problems (or make up your own!) to count, add, compare, or subtract with the toppings.
- As you build your pizza, encourage your learner to say what they're doing out loud – “I’m putting on 3 olives. Now I’m adding 2 more. That makes 5!”
- Clear the pizza and solve a new problem! This game can be reused over and over for different math skills.

## Optional Variations:

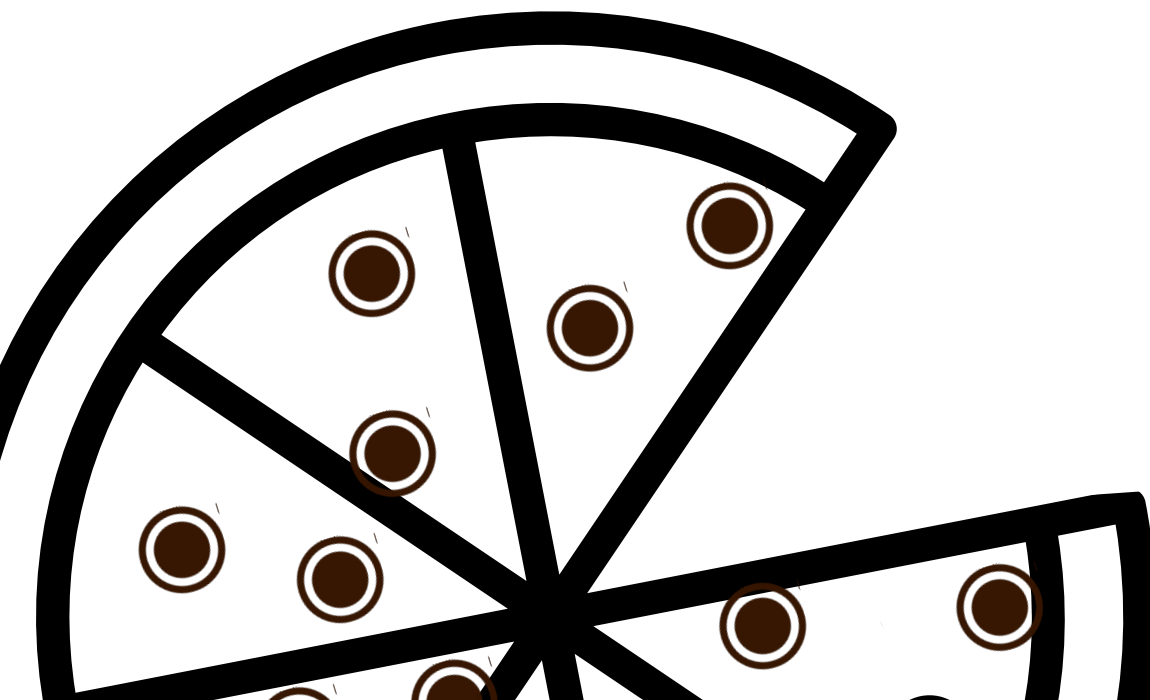
- Fractions Practice: Cut your pizza crust into halves, quarters, or eighths to introduce early fraction concepts.
- Topping Patterns: Create AB, AAB, or ABC patterns with your toppings.
- Partner Pizza: Work with a partner to take turns adding toppings and solving problems. One person rolls a die and adds that many toppings. The other adds more and counts the total.
- Play pretend: You're the chef at a pizza shop! A customer places an order using math clues.



# PREK-K: SOLVING WITH SLICES

A hands-on, make-your-own game to practice early math skills.

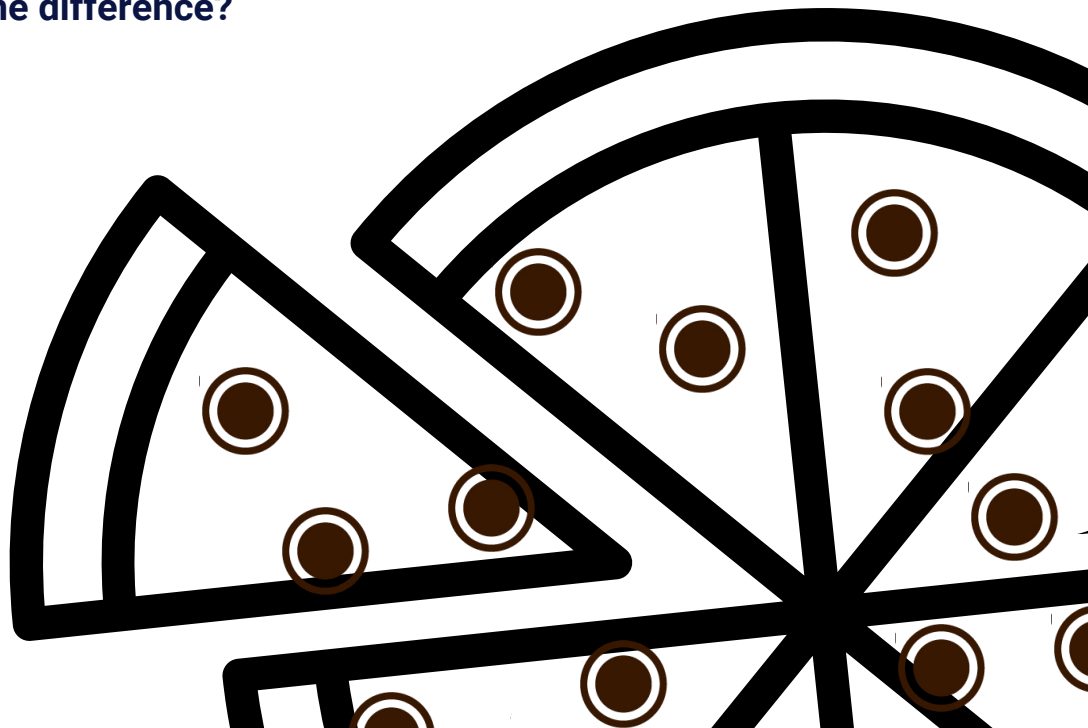
1. We're making a pizza with 3 mushrooms. Can you count out 3 mushrooms and put them on the pizza? Let's add 5 slices of pepperoni. Count them as you go!
2. You added 4 olives and 2 pepperoni slices. Which one has more?
3. You put 2 olives on the left side and 3 on the right side. How many olives are on the whole pizza?
4. There are 1 mushroom and 2 peppers. How many toppings is that all together?
5. Oh no! One piece of pepperoni fell off! You had 4. How many are left?
6. You ate 2 olives from a pizza with 5 olives. How many olives are still there?
7. Let's make a pattern: pepperoni, mushroom, pepperoni, mushroom... What comes next?
8. Can you make a pizza with a red-green-red-green topping pattern?
9. Let's make a pizza for 2 friends. Can you give each one the same number of pepperoni slices?
10. If you have 6 mushrooms and 3 friends, how many does each friend get?



# GRADES 1-2: SOLVING WITH SLICES

A hands-on, make-your-own game to practice early math skills.

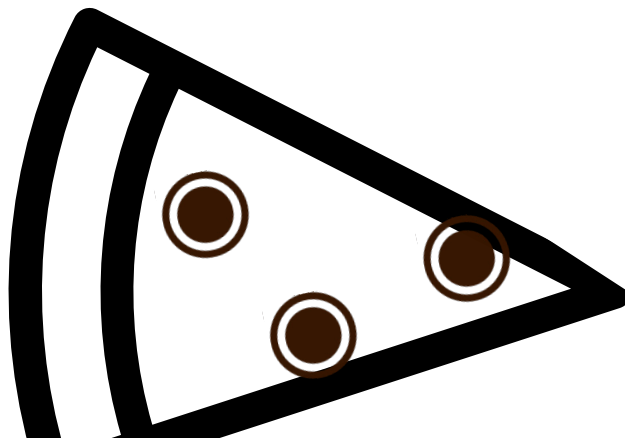
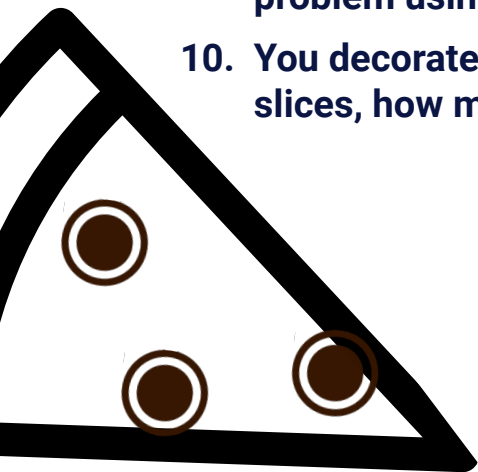
1. Add 7 mushrooms and 5 olives to your pizza. How many toppings do you have altogether?
2. You placed 10 pepperoni slices, but 4 fell off. Use your toppings to show what's left.
3. Fold your crust into four equal pieces. Put 3 pieces of pepperoni on each of 4 pizza slices. How many pepperoni pieces are on the whole pizza?
4. Add 9 toppings to your pizza. Is 9 even or odd?
5. Put 6 toppings on your pizza. How many more do you need to make 10?
6. Fold your pizza into 2 equal halves. Put pepperoni only on one half. What fraction of the pizza has pepperoni?
7. You put 5 mushrooms on one side of your pizza. Put the same number on the other side. How many do you have in all?
8. First, add 4 olives. Then add 3 mushrooms. Now take away 2 toppings. How many toppings are left?
9. Put 6 olives and 8 pieces of pepperoni on your pizza. Which topping has more? How many more?
10. Two friends want to split a pizza. One friend wants 5 toppings, another wants 3. Use your toppings to make both sides and compare them. Who has more? What's the difference?



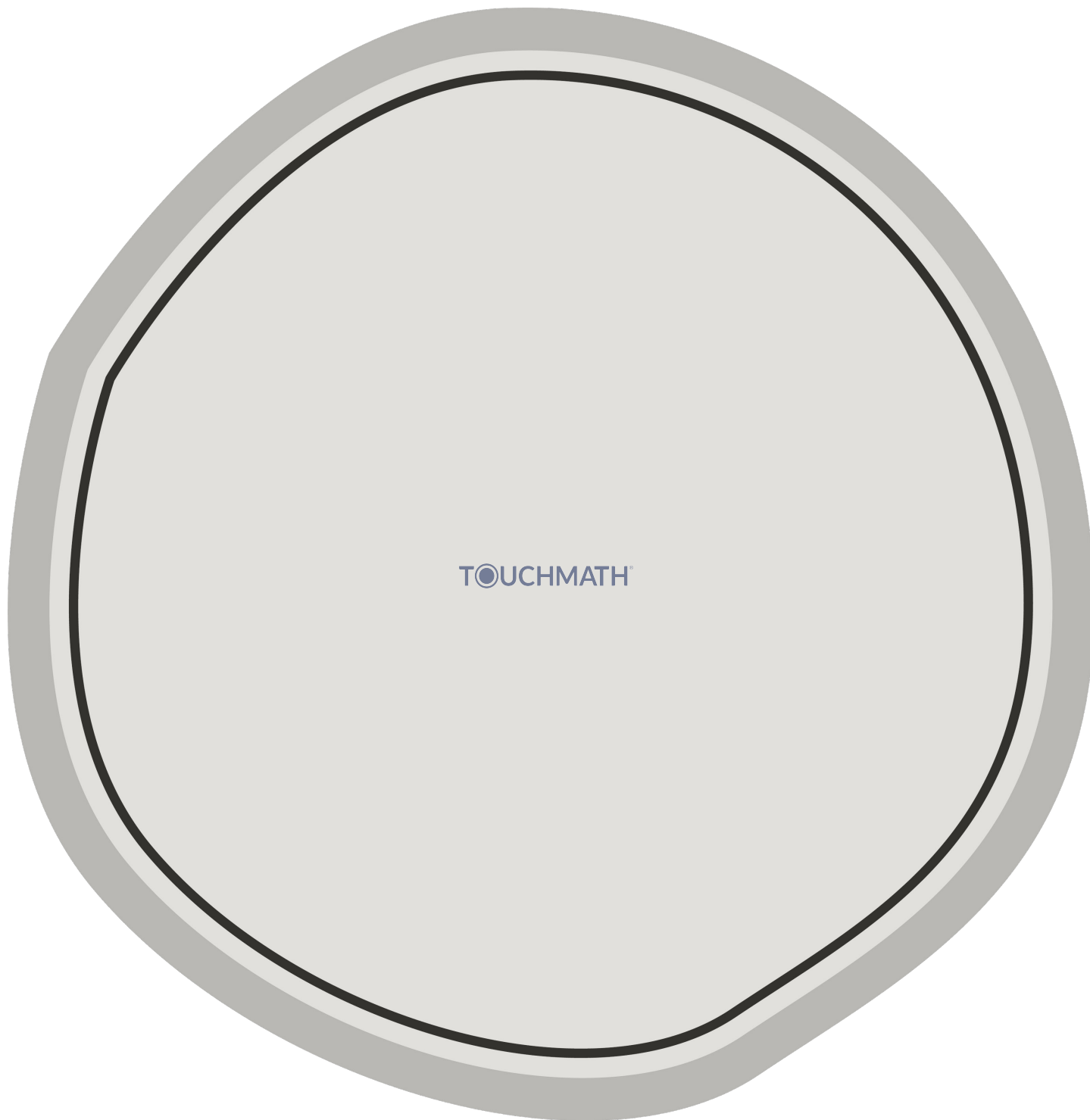
# Grades 3+: SOLVING WITH SLICES

A hands-on, make-your-own game to practice early math skills.

1. You want to make a topping array with 4 rows of 3 olives. Use toppings to build the array. What is the total number of olives?
2. Fold your pizza crust into 6 equal slices. You have 24 mushrooms and want to share them equally across 6 slices. Use your toppings to divide them. How many mushrooms go on each slice?
3. Your pizza has 8 slices. You add pepperoni to 3 slices. What fraction of your pizza has pepperoni? What fraction does not?
4. Half of your pizza has mushrooms. You want to show that  $\frac{4}{8}$  is the same as  $\frac{1}{2}$ . Fold your pizza crust into 8 parts and use toppings to prove it.
5. Your pizza has 8 slices and each slice has 2 toppings. How many slices do you need to eat to eat 6 toppings?
6. You made 2 pizzas with 6 toppings each. Then 8 toppings fell off. How many toppings are left?
7. You put 3 out of 10 slices of pepperoni on your pizza. What fraction of the pizza has pepperoni? What is the decimal?
8. One pizza has  $\frac{3}{8}$  of its slices with olives. Another has  $\frac{5}{8}$  with olives. Which pizza has more olives? How many more slices have olives?
9. Use 15 toppings to build a pizza. Create and solve your own math problem using your toppings.
10. You decorated 25% of your pizza with mushrooms. If your pizza has 8 slices, how many slices have mushrooms? Show it with toppings.



# YOUR PIZZA CRUST



# YOUR TOPPINGS

