

The Last Slice

Welcome to The Last Slice. In this educational card game, two to four players practice fractions by playing cards and claiming slices of pizza. If you claim the last slice of a pizza, you score a point. When all the pizza is claimed, the player with the most points wins!

Components

1 deck of 34 cards, with four cards of each number from 1 to 8, plus 2 jokers. You can make this deck by taking a standard card deck and removing the 9s, 10s, and face cards.

- 1 pizza divided into 2 pieces.
- 1 pizza divided into 3 pieces.
- 1 pizza divided into 4 pieces.
- 1 pizza divided into 5 pieces.
- 1 pizza divided into 6 pieces.
- 1 pizza divided into 7 pieces.
- 1 pizza divided into 8 pieces.

7 “Yum!” markers for scoring points.

Set-up:

Put the pieces of each pizza together, then place the pizzas between the players.

Shuffle the deck and deal four cards to each player.

Place the remainder of the deck between the players. This is the draw pile.

As the game progresses, a discard pile will be created next to the draw pile.

The youngest player goes first. After that, play passes to the left.

Claiming Pizzas

When it is your turn, play two of the cards in your hand to create a fraction. The first card is the numerator -- the top number in a fraction. The second card is the denominator -- the bottom number. You then claim a fraction of a pizza that matches the fraction you created.

In pizza terms, the first card is how many slices you take, and the second card is which pizza you take them from. $\frac{3}{4}$ is three slices from the pizza divided into four pieces, while $\frac{2}{8}$ is two slices from the pizza divided into eight pieces.

You cannot play a fraction on a pizza that is larger than the fraction of the pizza that is remaining. If a pizza has only 2 slices, you cannot claim 3 slices of it.

If you take all the remaining slices of a pizza, you have taken the last slice and scored a point. Take a “Yum!” marker as reminder of your score.

After you have created your fraction and claimed your pizza, discard the cards you used into a discard pile next to the draw pile. Draw two new cards.

You must play a fraction and claim slices of pizza if you are able to do so. If you cannot create a fraction, discard two cards of your choice into the discard pile and draw two new cards.

After you have drawn cards, your turn ends and the next player’s turn begins. If the draw pile is empty after you draw, shuffle the discard pile into a new pile while the next player is taking his or her turn.

Playing Jokers

A joker card can be played as a numerator or a denominator. If you play it as a numerator, it always has a value of 1. If you play it as a denominator, it can have any value from 2 to 8.

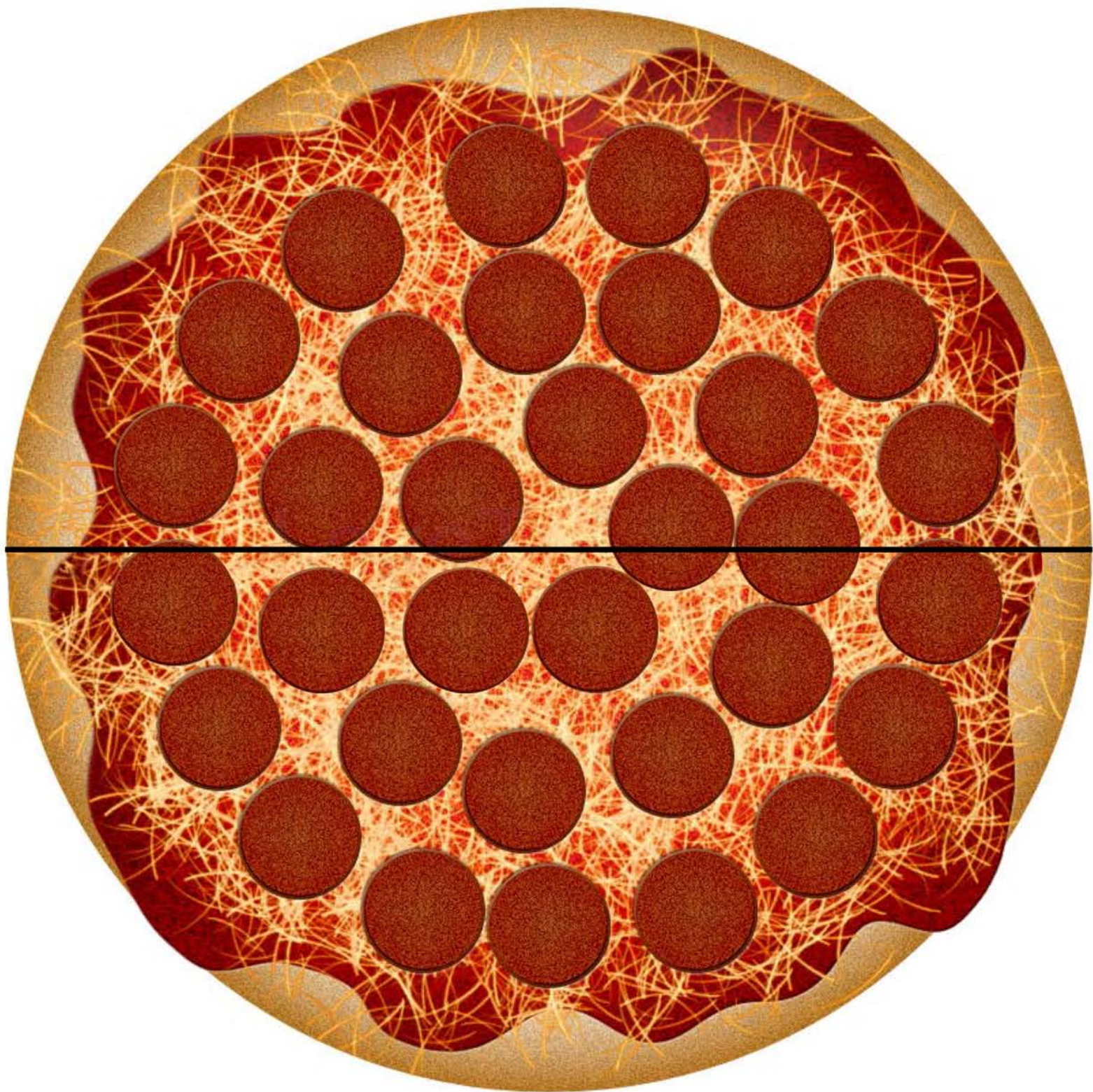
Winning the Game

The game ends when all the slices of all the pizzas have been claimed. The player with the most “Yum!” markers wins. If two or more players are tied for the most “Yum!” markers, the player with the most “Yum!” markers and the most slices wins. If this does not break the tie, the youngest of the tied players wins.

Advanced Fractions

This optional rule is for players who have mastered basic fractions.

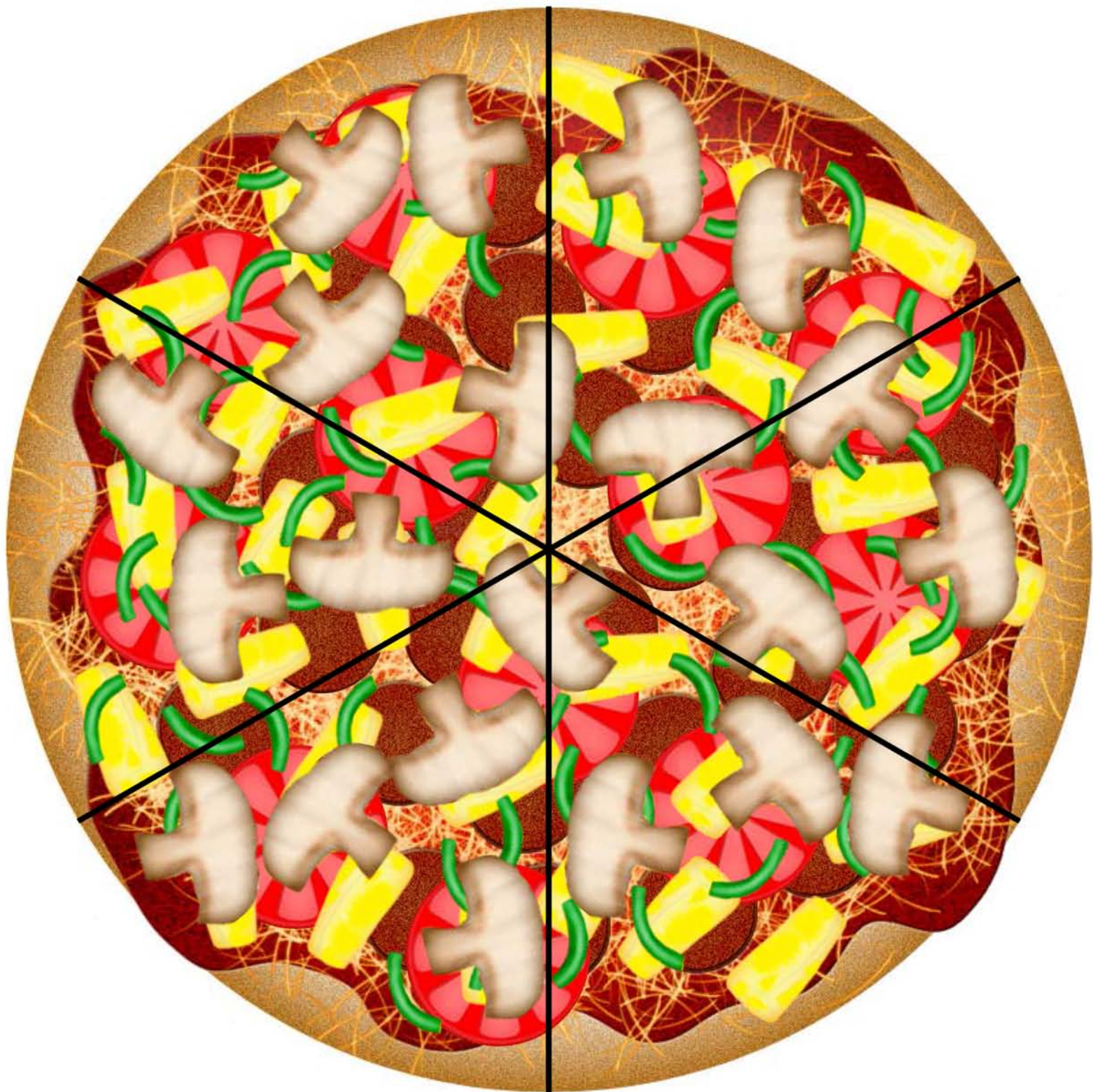
With advanced fractions, you can choose which pizza you are claiming your fraction from, as long as the number of slices claimed matches the fraction you have created. In this case, $\frac{3}{4}$ could be three slices of the pizza divided into four slices, *or* six slices from the pizza divided into eight slices.



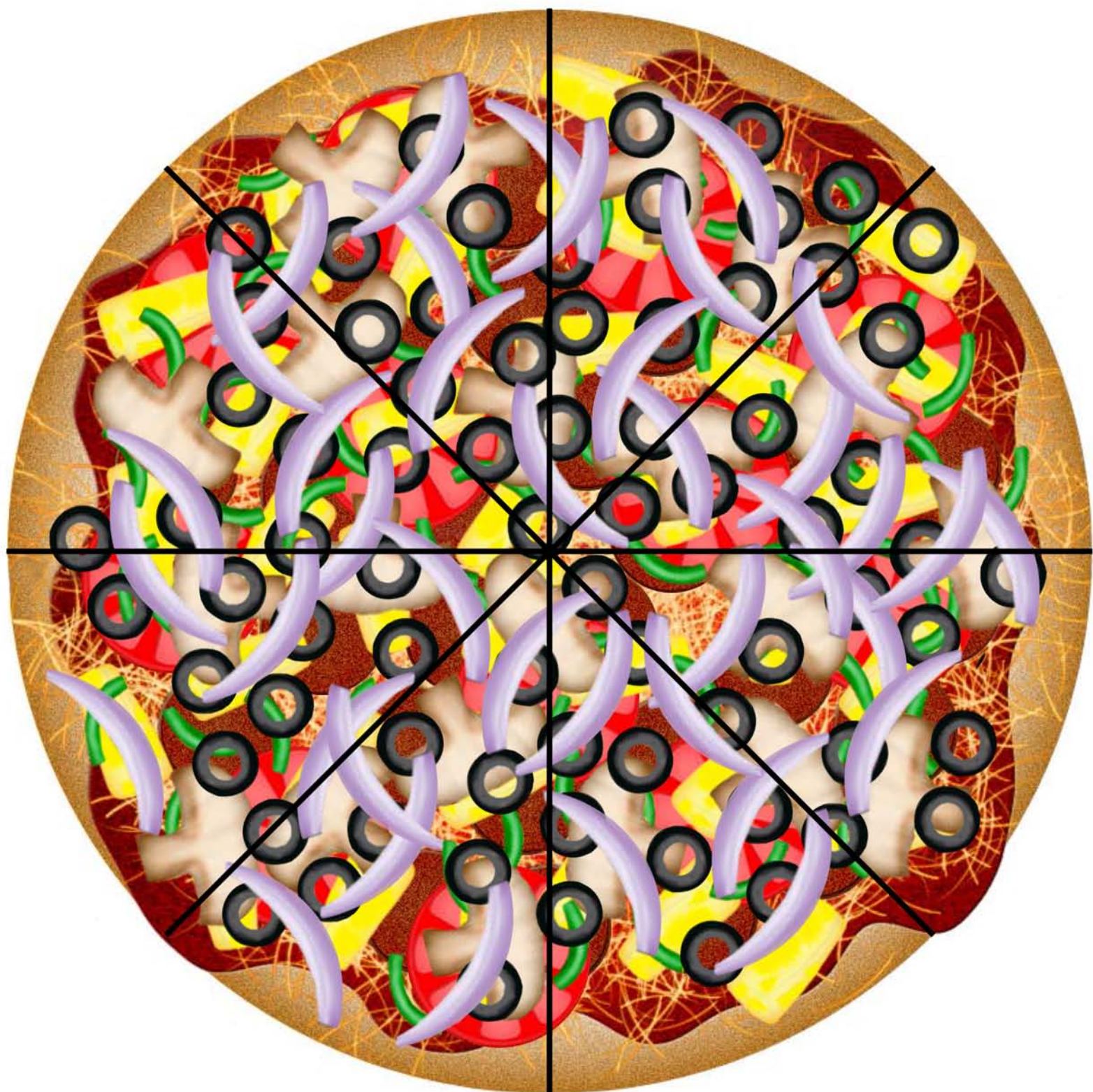


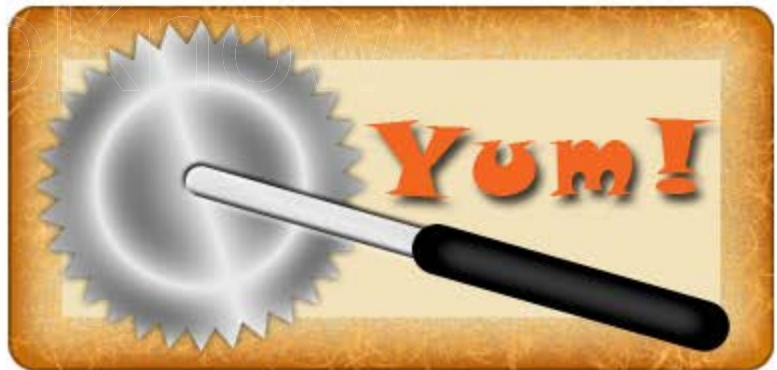
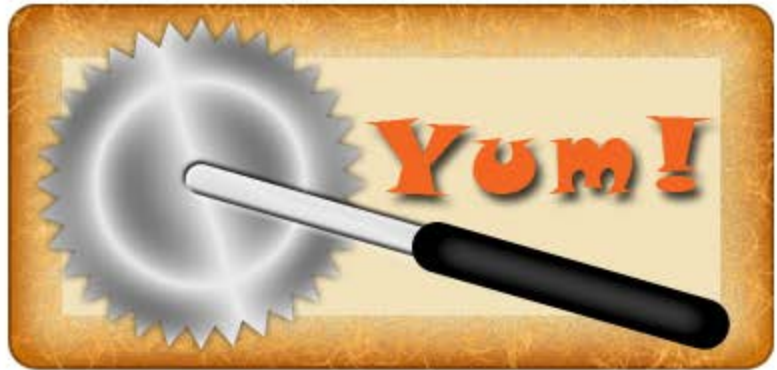
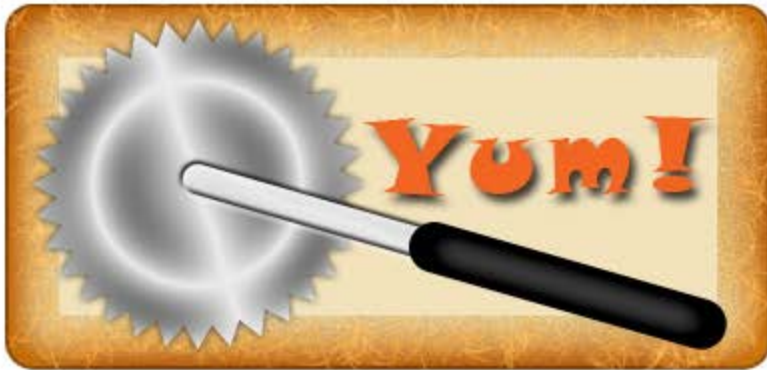
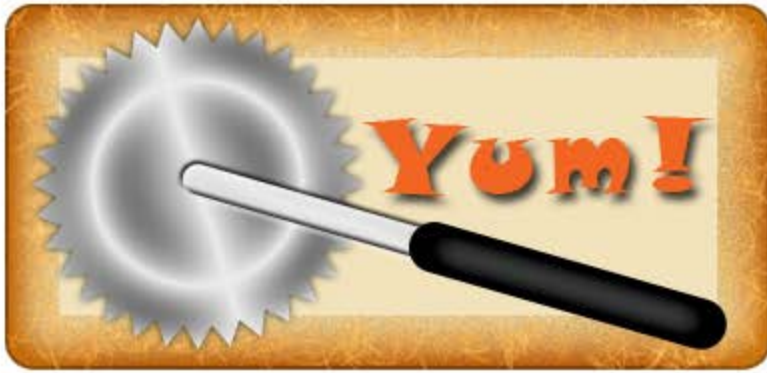












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