

Pizza Party

Activity

Students are shown 4 friends who have ordered 3 pizzas. If each friend should get the same amount of pizza, how many different ways could the pizzas be sliced?

This open-ended activity helps students explore creative ways to make multiples of 4. Do students think that every pizza needs to be sliced the same? Could each pizza be sliced in a different way? It is up to students to explore.

To support

- ① Use guiding questions:
 - If each pizza was cut in half, would there be an equal number of slices for each friend?
 - What if each pizza was cut into thirds or quarters?
 - Is there another way you could cut each pizza?
 - What if the pizzas don't need to be sliced in the same way?
- ② Students could explore physically cutting up circles that represent pizzas and dividing their 'slices' between 4 groups.

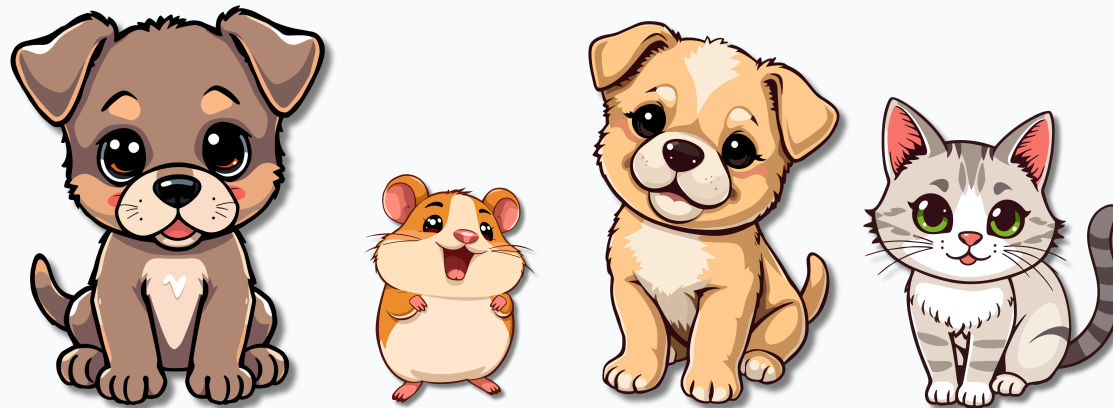
To challenge

- ① Student could explore dividing each pizza into a different number of slices.
- ② Students could explore how their answer would change if another friend joined the group and the pizzas had to be shared between 5 friends.



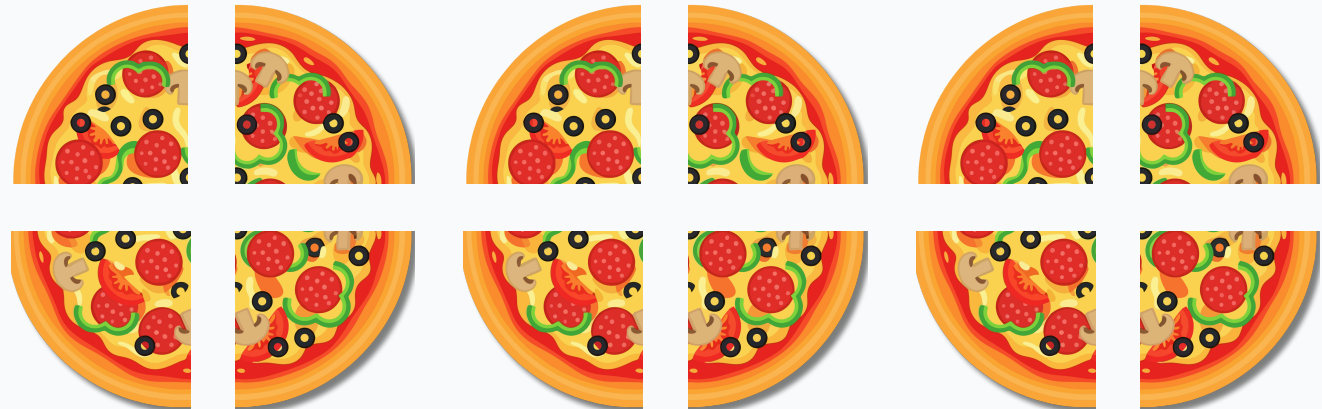
Pizza Party

4 friends ordered 3 pizzas. If each friend should get the same amount of pizza, how many different ways could the pizzas be sliced? How could you describe the slices?



Possible Solution

There are lots of ways we could have sliced our pizzas!
I found that if we cut each pizza into quarters, everyone will get 3 slices!



12 slices