

Composing and Decomposing Numbers to 5

Birthday Cake

Materials:

Picture of a cake

Linking Cubes or Teddy Bear Counters

1. Display and read the following task to the students.
Cindy has 2 candles on her birthday cake. She is 4 years old. How many more candles does Cindy need on her birthday cake?
2. Instructs students to work with their partner to discuss ideas to solve the task using counters and birthday cake.
3. With your partner, how many ways can you arrange the 4 candles on the birthday cake? Draw a picture for each of the different ways.

Tower of 5

Materials: Linking Cubes

1. Arrange students in pairs.
2. Prompt each pair to decide who will be Partner A and who will be Partner B.
3. Use the following directions to help students complete the task.

Partner A:

- Make a train of 5 linking cubes using two different colors.
- Break the tower into 2 parts.
- Hide one of the parts behind your back.
- Show Partner B the set of linking cubes that is not hidden.

Partner B:

- How many linking cubes do you see?
- How many linking cubes are behind your partner's back? How do you know?

Partner B:

- Put the train of linking cubes back together to create a train of 5.
- Break the tower into 2 parts.
- Hide one of the parts behind your back
- Show Partner A the set of linking cubes that is not hidden.

Partner A:

- How many linking cubes do you see?
- How many linking cubes are behind your partner's back? How do you know?

Question:

How did you know the number of linking cubes that were behind your partner's back?

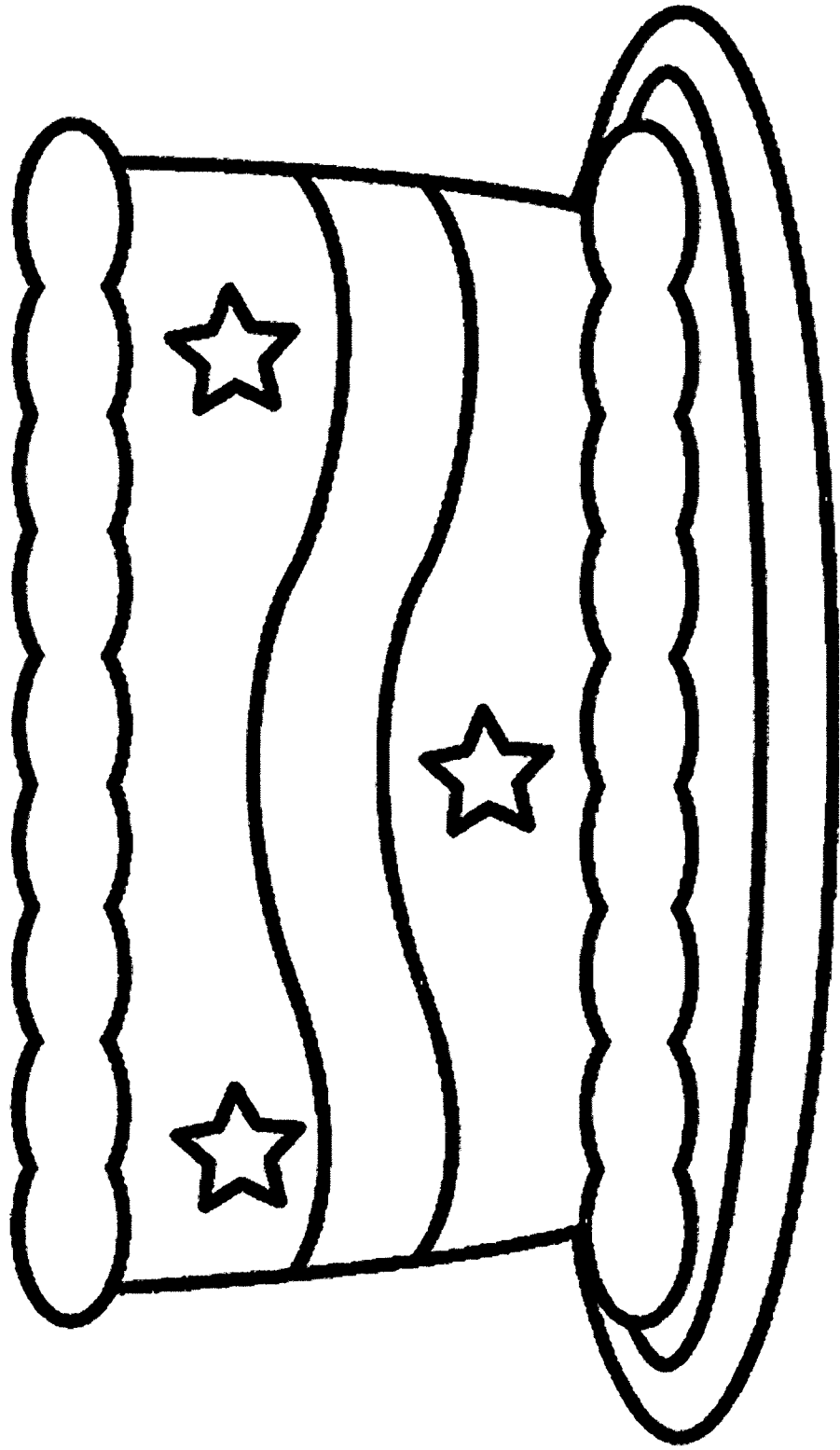
Cookies, Cookies and More Cookies

Materials:

Two color counters

Five frames

1. Sammy has 2 cookies; his sister gave him 2 more cookies. How many cookies does Sammy have now?
2. Lisa has 3 cookies. Her mother gave her 2 more cookies. How many cookies does Lisa have now?
3. Amy has 1 cookie. Her brother gave her 2 more cookies. How many cookies does Amy have now?
4. Joey has 5 cookies. He gave his sister 3 cookies. How many cookies does Joey have now?
5. Linda has 4 cookies. She gave her Mom 1 cookie. How many cookies does Linda have now?
6. John has 5 cookies. He gave his Dad 2 cookies. How many cookies does John have now?



Five Frame Cards

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