



# Relate Addition and Subtraction

Let's look at the relationship between addition and subtraction.



## Warm-up

### Number Talk: Connect Addition and Subtraction

Find the value of each expression mentally.

- $5 + 4$

- $4 + 5$

- $9 - 4$

- $9 - 5$

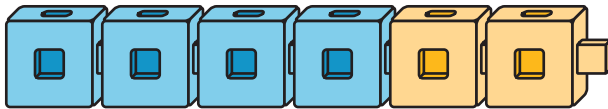


## Activity 1

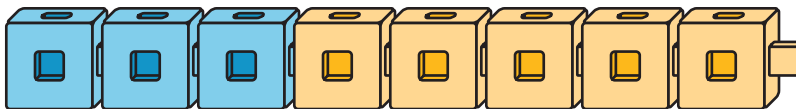
### Cube Tower Addition and Subtraction

Write an addition and a subtraction equation to match the connecting cubes.

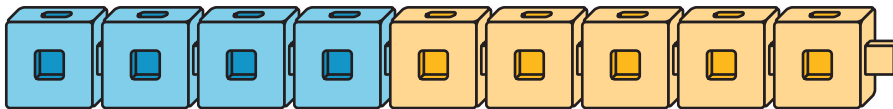
1.



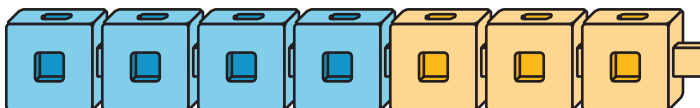
2.



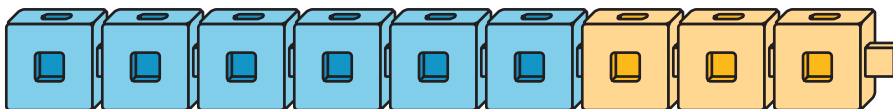
3.



4.



5.



## Activity 2

### Find the Unknown Number

Find the number that makes each equation true.  
Explain to your partner how you found it.

1.  $4 + \square = 9$

2.  $9 - 5 = \square$

3.  $\square + 5 = 8$

4.  $8 - 3 =$

5.  $7 - 4 =$

6.  $8 = 2 +$

7.  $8 -$    $= 4$

## Activity 3

### Differences I Know

Color the differences you know.

|      |      |      |      |      |      |      |      |      |      |       |
|------|------|------|------|------|------|------|------|------|------|-------|
| 10-0 | 10-1 | 10-2 | 10-3 | 10-4 | 10-5 | 10-6 | 10-7 | 10-8 | 10-9 | 10-10 |
| 9-0  | 9-1  | 9-2  | 9-3  | 9-4  | 9-5  | 9-6  | 9-7  | 9-8  | 9-9  |       |
| 8-0  | 8-1  | 8-2  | 8-3  | 8-4  | 8-5  | 8-6  | 8-7  | 8-8  |      |       |
| 7-0  | 7-1  | 7-2  | 7-3  | 7-4  | 7-5  | 7-6  | 7-7  |      |      |       |
| 6-0  | 6-1  | 6-2  | 6-3  | 6-4  | 6-5  | 6-6  |      |      |      |       |
| 5-0  | 5-1  | 5-2  | 5-3  | 5-4  | 5-5  |      |      |      |      |       |
| 4-0  | 4-1  | 4-2  | 4-3  | 4-4  |      |      |      |      |      |       |
| 3-0  | 3-1  | 3-2  | 3-3  |      |      |      |      |      |      |       |
| 2-0  | 2-1  | 2-2  |      |      |      |      |      |      |      |       |
| 1-0  | 1-1  |      |      |      |      |      |      |      |      |       |

Write each difference that isn't colored on an index card.

Write an addition equation on the card that can help you find the value of the difference.

