



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.

- $5 + 4$

- $4 + 5$

- $9 - 4$

- $9 - 5$

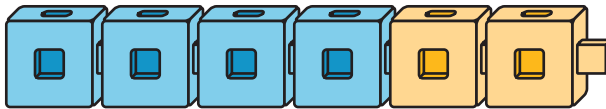


Activity 1

Cube Tower Addition and Subtraction

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

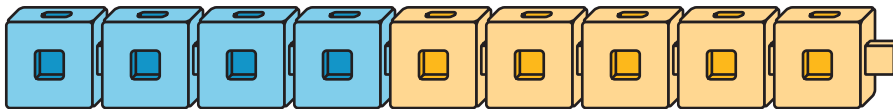
1.



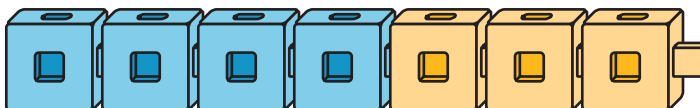
2.



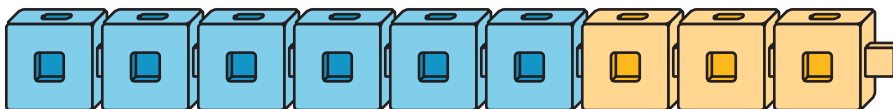
3.



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.

