

FINDING DIFFERENCE BY ADDING AND TAKING AWAY.

INVESTIGATIONS OVERVIEW PAGE

THIS PAGE IS A SUMMARY OF THE INVESTIGATIONS THAT STUDENTS MAY ENGAGE IN TO DEEPEN THEIR RELATIONAL UNDERSTANDING. INVESTIGATIONS WITH INSTRUCTIONS TO STUDENTS FOLLOW ON SUBSEQUENT PAGES.

- In pairs, children select a small handful of blocks. They make 2 towers. They find the difference between their towers by counting how many they need to add to the shorter tower and by counting how many they need to take away from the taller tower. *Reflection: How can we find difference by adding and by taking away?*
- In pairs, children each select a small handful of blocks. They each make a tower. They find the difference between their towers by counting how many they need to add to the shorter tower and by counting how many they need to take away from the taller tower. *Reflection: How can we find difference by adding and by taking away?*
- Children line up with boys in one line and girls in another line. Children identify which line is longer and by how many, and which line is shorter and by how many. Children identify the difference between the number of girls and boys. (Could be done each morning at roll call). *Reflection: How can we find difference by adding and by taking away?*

Numerals 0 – 10 (print, cut out and distribute to each child)

0	1	2	3
4	5	6	7
8	9	10	

Finding Difference by Adding and Taking Away

Select a small handful of blocks.

Make 2 towers of different heights.

Find the difference between your towers

- by counting how many you need to add to the shorter tower and
- by counting how many you need to take away from the taller tower.

Reflection: How can we find difference by adding and by taking away?

Finding Difference by Adding and Taking Away

Sit with a friend.

Each of you select a small handful of blocks.

Each of you make a tower using the blocks.

Find the difference between your towers

- by counting how many you need to add to the shorter tower and
- by counting how many you need to take away from the taller tower.

Reflection: How can we find difference by adding and by taking away?