## Lesson 3: Snap the Cubes

* Let’s find different ways to break apart numbers.

### Warm-up: Notice and Wonder: Connecting Cube Towers

What do you notice?
What do you wonder?







### 3.1: Introduce What’s Behind My Back, Show 2 Parts

8 cubes

|  |
| --- |
| 8 blank cubes.expression: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 8 blank cubes.expression: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 8 blank cubes.expression: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 8 blank cubes.expression: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

8 cubes

|  |
| --- |
| 8 blank cubes.expression: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 8 blank cubes.expression: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 8 blank cubes.expression: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 8 blank cubes.expression: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 8 blank cubes.expression: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

### 3.2: More Than One Way

|  |
| --- |
| 4 |
| 9 |
| 6 |

|  |
| --- |
| 7 |
| 5 |
| 8 |

### 3.3: Centers: Choice Time

Choose a center.

What's Behind My Back?



Check it Off



Bingo



Find the Value of
Expressions



Shake and Spill



### Section Summary

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In this section, we used objects to make and break apart numbers in different ways.



There are 8 pattern blocks.
There are 2 red trapezoids and 6 green triangles.



There are 8 pattern blocks.
There are 3 green triangles and 5 red trapezoids.

We wrote expressions to show different ways to make and break apart numbers.



There are 6 connecting cubes.
6 is $4+2$.



There are 6 connecting cubes.
6 is $1+5$.



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