NUMBER AFTER IS 1 MORE, NUMBER BEFORE IS 1 FEWER.

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, each child either starts with zero counters, or selects a numeral card. They place out the number of counters and record the numbers. They add 1 counter. They record the number. They explain they are counting forwards when they add 1 each time and that the number after is 1 more. Reflection: Why is the number after, 1 more?

  For example, one child may start adding 1 each time and counting forward from zero, while another child may select the number 4 and starts adding 1 each time and counting from 4.

  NB: Allowing children to select the numbers that they are comfortable with, allows them to independently investigate counting forwards by ones as adding 1 each time, getting the number after and getting one more each time. In this way, regardless of their current level of understanding, EVERY child can investigate independently. As the child demonstrates understanding of their current range of numbers, they 'level up' by increasing their range of numbers.

- In pairs, children select a number card and start counting backwards. They place out the number of counters and record the numbers. They take away 1 counter. They circle the number. They explain they are counting backwards when they take away 1 each time and that the number before is 1 fewer. Reflection: Why is the number before, 1 fewer?

  NB: Allowing children to select the numbers that they are comfortable with, allows them to independently investigate counting backwards by ones as taking away 1 each time. In this way, regardless of their current level of understanding, EVERY child can investigate independently. As the child demonstrates understanding of their current range of numbers, they 'level up' by increasing their range of numbers.

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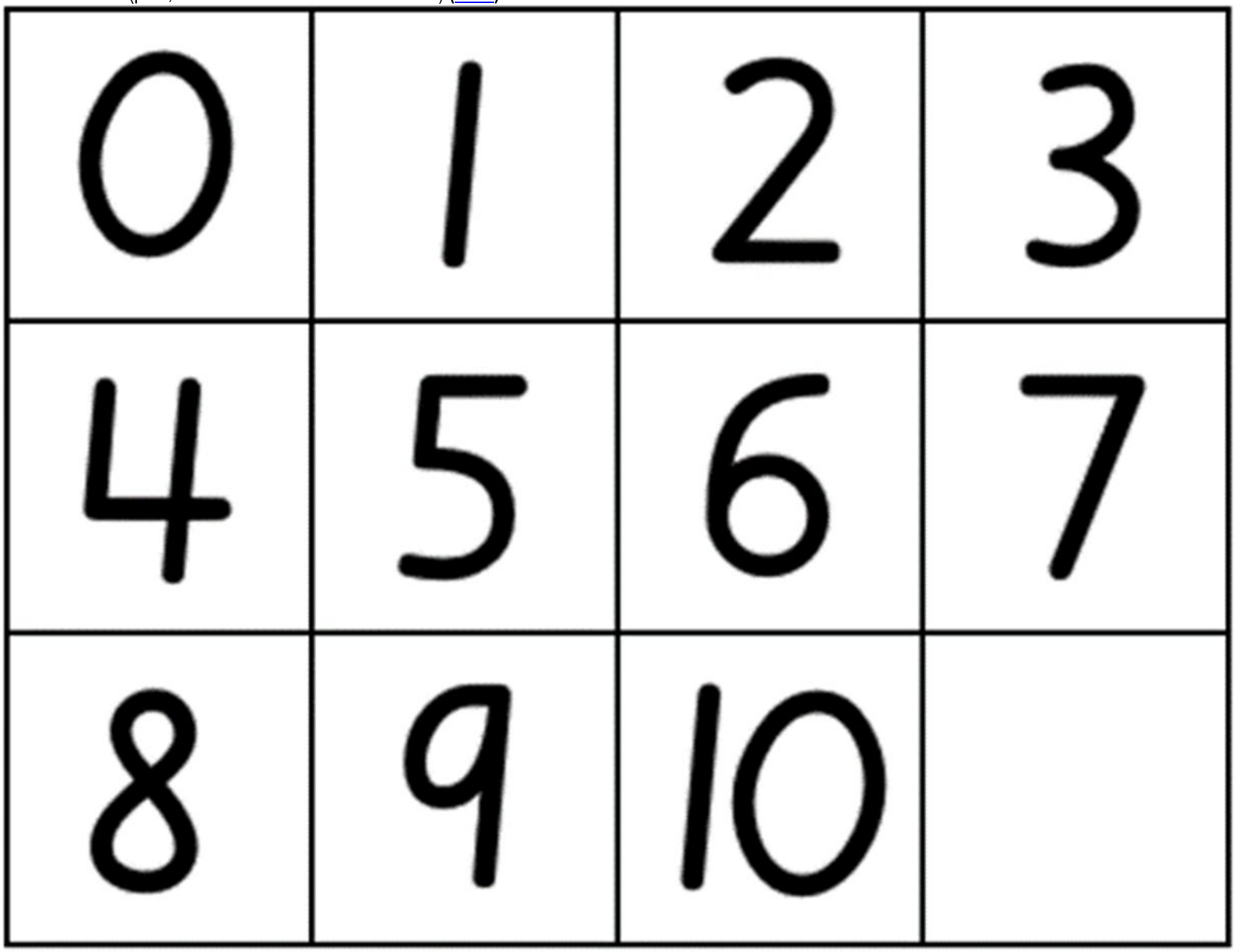
Numerals 0 – 10 (print, cut out and distribute to each child) (**back**)



Number After is 1 More, Number Before is 1 Fewer

Select a number card and start counting forwards.

Place out the number of counters.

Draw the counters. Record the number under each counter.

Add 1 counter.

Draw the counter.

Record the number under the counter.

Are you counting forwards when you add 1 each time?

Is the number after 1 more?

Reflection: Why is the number after, 1 more?

Number After is 1 More, Number Before is 1 Fewer.

Select a number card and start counting backwards.

Place out the number of counters.

Record the numbers.

Take away 1 counter.

Circle the number.

Are you counting backwards when you take away 1 each time?

Is the number before 1 fewer?

Reflection: Why is the number before, 1 fewer?