

WRITE NUMERALS.

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.

- Children are given numerals one at a time, starting with 1, then 2, then 3, etc up to 9. As they master writing a numeral correctly, they are given the next numeral. Some numerals will take longer than other numerals. Having children verbalise a description of the numeral (and letters!), while using their whole body (multi-sensory learning) to write it in the air, will reinforce writing it in the correct orientation.

For example:

- ▶ when writing 2, the child stands, holds up their writing hand, performs a large semi-circle to the right, then a slash movement to the right, while verbalising, 'around and zoom!', recording on paper immediately following this.
- ▶ when writing 3, the child stands, holds up their writing hand, performs 2 large semi-circles to the right, while verbalising, 'around and around!', recording on paper immediately following this.
- ▶ when writing 4, the child stands, holds up their writing hand, performs a stroke down, then a stroke down and a slash to the right, while verbalising, 'down and down and zoom!', recording on paper immediately following this.
- ▶ when writing 5, the child stands, holds up their writing hand, performs a stroke down, then a semi-circle to the right, then a stroke to the right, while verbalising, 'down and around and zoom!', recording on paper immediately following this.
- ▶ when writing 6, the child stands, holds up their writing hand, performs a semi-circle to the left which continues into the middle, while verbalising, 'around and touch!', recording on paper immediately following this.
- ▶ when writing 7, the child stands, holds up their writing hand, performs a stroke to the right, then a stroke diagonally to the left, while verbalising, 'across and down!', recording on paper immediately following this.
- ▶ when writing 8, the child stands, holds up their writing hand, performs a semi-circle to the right, changes direction and performs an anti-clockwise circle, changes direction and completes the semi-circle, while verbalising, 'around and around and around!', recording on paper immediately following this.
- ▶ when writing 9, the child stands, holds up their writing hand, performs an anti-clockwise circle, then a stroke down, while verbalising, 'around and zoom!', recording on paper immediately following this.
- ▶ when writing 0, the child stands, holds up their writing hand, performs an anti-clockwise circle, 0, while verbalising, 'around 0!', recording on paper immediately following this.

Reflection: How can we write 1? 2? 3? 4? 5? 6? 7? 8? 9? 0?

- NB: If children have difficulty 'crossing their centre line' while performing large whole-body movements such as these, stand behind them and gently move their arms and hands (and legs and feet) across their body.
- In pairs, children make numeral out of play dough, paint, in sand trays. As the child demonstrates understanding of their current range of numbers, they 'level up' by making the next number. Reflection: How can we write 1? 2? 3? 4? 5? 6? 7? 8? 9? 0?
- In pairs, children record a numeral, then turn it into a picture, for example an animal or an alien. As the child demonstrates understanding of their current range of numbers, they 'level up' by recording the next number. Reflection: How can we write 1? 2? 3? 4? 5? 6? 7? 8? 9? 0?

- Provide some numeral tracing sheets for children as needed (freely available on the Internet, including Pinterest, Enchanted Learning). Reflection: How can we write 1? 2? 3? 4? 5? 6? 7? 8? 9? 0?
- Record numerals on sheets for children as needed (freely available on the Internet, including Pinterest, Enchanted Learning). Reflection: How can we write 1? 2? 3? 4? 5? 6? 7? 8? 9? 0?

Write Numerals

Sit with a friend.

Select a numeral.

Write the numeral correctly.

Describe the numeral to a friend.

Reflection: How can we write 1?

How can we write 2?

How can we write 3?

How can we write 4?

How can we write 5?

How can we write 6?

How can we write 7?

How can we write 8?

How can we write 9?

How can we write 0?

Write Numerals

Sit with a friend.

Select a numeral.

Make the numeral using play dough, paint or in a sand tray.

Reflection: How can we write 1?

How can we write 2?

How can we write 3?

How can we write 4?

How can we write 5?

How can we write 6?

How can we write 7?

How can we write 8?

How can we write 9?

How can we write 0?

Write Numerals

Sit with a friend.

Record a numeral, then turn it into a picture.

For example, an animal.



Reflection: How can we write 1?

How can we write 2?

How can we write 3?

How can we write 4?

How can we write 5?

How can we write 6?

How can we write 7?

How can we write 8?

How can we write 9?

How can we write 0?

Write Numerals

Trace the numerals, starting at the top.

1

2

3

4

5

6

7

8

9

Write Numerals

Write the number 1.

Write the number 2.

Write the number 3.

Write the number 4.

Write the number 5.

Write the number 6.

Write the number 7.

Write the number 8.

Write the number 9.