

Diving into Mastery - Diving

Adult Guidance with Question Prompts

Children order numbers in ascending and descending order using concrete apparatus (e.g. cubes) or pictures to assist. Children use mathematical vocabulary to order numbers.

What numbers can you see?

Which is the greatest?

Can you make a stick of cubes to represent each number and then order them, starting with the smallest?

What number words can you read?

Can you make a stick of cubes to represent each number and then order them, starting with the greatest?

If these numbers are ordered smallest to greatest, what number must go in the middle?

Explain how you know.

Can you use your cubes in your explanation?

Read these number words. What could go in the last box?

Is there more than one possible answer?

Ordering Numbers



Order these numbers from smallest to greatest.

8

3

5

Order these numbers from smallest to greatest.

four

six

one

These numbers have been ordered from smallest to greatest. Fill in the empty box.

2

4

These numbers have been ordered from greatest to smallest. Fill in the empty box.

ten

nine

Diving into Mastery - Deeper

Adult Guidance with Question Prompts

Children may need a number track to help with this activity, especially for the last three tracks. They could use coloured pencils to identify the numbers that have been swapped.

Can you read the numbers on the track out loud?

What do you notice?

Which numbers are in the wrong order?

Can you colour them in?

Can you write them in the correct position under the track?

Are the mixed-up numbers next to each other?

Can you explain what is wrong with the next track?

After the first three tracks, ask:

How are the next tracks different?

Is it harder if the tracks don't start at zero?

What could you use to help you?

Ordering Numbers



Which numbers have been swapped over on these number tracks?

0	1	3	2	4	5	6	7	8	9	10
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0	1	2	3	4	6	5	7	8	9	10
---	---	---	---	---	---	---	---	---	---	----

0	1	2	3	7	5	6	4	8	9	10
---	---	---	---	---	---	---	---	---	---	----

2	8	4	5	6	7	3
---	---	---	---	---	---	---

4	1	2	3	0	5
---	---	---	---	---	---

4	5	10	7	8	9	6
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Diving into Mastery - Deepest

Adult Guidance with Question Prompts

Children may need to use a horizontal number track and counters to help them with this activity.

Can you count along the spaces touching each number as you say it?

Which is the smallest number?

Which is the greatest number?

Which number lies between 1 and 9 and has a counter on it?




If Abby's counter was between Erica's and Cho's, where could it have been?

Is there more than one possible answer?

Ordering Numbers



Three children were playing a board game.
Here is a part of the board.

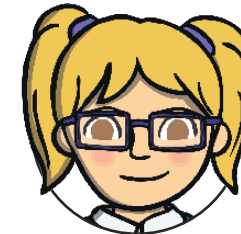
9 	8	7	6	5 
Start	1 	2	3	4

Use the clues to work out which counters the children have.

"I am Ben. My counter is on the smallest number."



"I am Erica. My counter is on a number between Ben's and Cho's"



"I am Cho. My counter is on the greatest number."



Abby's counter has fallen off. It was between Erica's and Cho's. What spaces could it have been on?