

One More One Less

Adult Guidance with Question Prompts



Provide children with a range of practical equipment which is grouped into tens and ones, so that they can calculate one more and one less than numbers up to 50. When dealing with numbers with nine ones, the tens number will increase by one when calculating one more. When dealing with numbers with a zero in the ones column, the tens number will decrease by one when calculating one less. After practically calculating one more and one less, children will move on to pictorial representations using number tracks and number squares.

When you calculated one more and one less than 23/38, did the ones digit change?

When you calculated one more and one less than 23/38, did the tens digit change?

When you calculated one more and one less than 29/40, did the ones digit change?

When you calculated one more and one less than 29/40, did the tens digit change? Why?

Using the number track, what is one more than 32? How do you know?

Using the number track, what is one less than 23? How do you know?

Does one less make the number greater or smaller?

Does one more make the number greater or smaller?

When finding one more, do you count forwards or backwards?

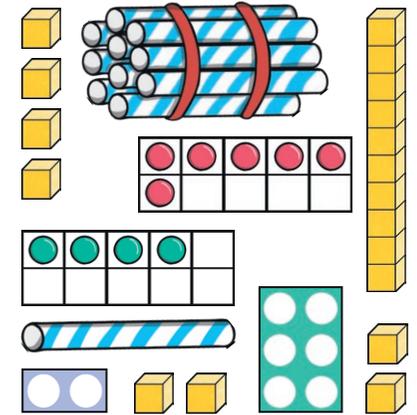
When finding one less, do you count forwards or backwards?

On the number square, when you calculated one less than 41, did you stay on the same row? Where did you have to move to?

One More One Less



One Less		One More
	23	
	38	
	29	
	40	



23	24	25	26	27	28	29	30	31	32
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One more One less

31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

One more One less



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Children calculate the missing number in sentences about numbers. In the last two sentences, they need to work inversely to calculate the answer. For instance, they calculate one less than 46 to make the sentence correct. Children may use practical equipment, grouped into tens and ones.

What is one more than 35 (45, 29, 20, 37, 48)? Which digits changed? Why?

What is one less than 35 (45, 29, 20, 37, 48)? Which digits changed? Why?

Can you think of another number where only the ones digit would change when calculating one more?

Can you think of another number where both the tens and the ones digits would change when calculating one more?

Can you think of another number where only the ones digit would change when calculating one less?

Can you think of another number where both the tens and the ones digits would change when calculating one less?

Which numbers haven't you used?

What sentence can you write about those numbers?

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Choose a number to make each sentence correct.

35

45

29

20

37

48

is one more than 36.

is one less than 30.



46 is one more than

19 is one more than

Write sentences using the numbers you didn't use for a friend to solve.



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Children use clues about numbers to deduce which number is being described. They use their knowledge of tens and ones and place value to calculate the answers. Children can be provided with a range of practical equipment which is grouped into tens and ones.

Look at the spaceships.

What is one more than the number on spaceship 21 (43, 22, 49)?

What is one less than the number on spaceship 21 (43, 22, 49)?

When you calculated one more than 21 (43, 22, 49), which digits changed?

Can you explain why?

When you calculated one less than 21 (43, 22, 49), which digits changed?

Can you explain why?

When you find one more than a number, the ones digit changes.

Is this always, sometimes or never true?

When you find one less than a number, the ones digit changes.

Is this always, sometimes or never true?

When you find one more than a number, the tens digit changes.

Is this always, sometimes or never true?

When you find one less than a number, the tens digit changes.

Is this always, sometimes or never true?

Can you show how you know?

Can you explain how you know the number of Ado's spaceship?

Could you write another set of clues for this spaceship?

Can you explain how you know the number of Beb's spaceship?

Could you write another set of clues for this spaceship?



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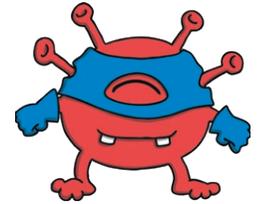
Ado and Beb give clues about their spaceships.

Draw a line to the correct one.



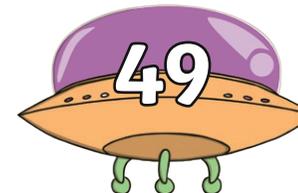
My spaceship's number has 4 tens.

One more than the number has 4 ones.



My spaceship's number has 2 tens.

One less than the number has zero ones.



Write clues for one of the other spaceships.