Maths

Number and Place Value

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Need a coherently planned sequence of lessons to complement this resource?

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Ordering Numbers Differently

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Aim

- To order numbers in different representations.

Success Criteria

- I can order numbers in different representations from smallest to greatest.
- I can order numbers in different representations from greatest to smallest.

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Remember It

Can you order these numbers?

15	50	20	30

How did you order them?

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Remember It

Can you order these numbers from smallest to greatest?

39	30	29	19

Can you order these numbers from greatest to smallest?
Can you explain your answer?

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Remember It

Can you order these numbers from smallest to greatest?

97	86	79	68

Can you order these numbers from greatest to smallest?
Can you explain your answer?

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Ordering Numbers

We can order these numbers from smallest to greatest.

10	20	35	50

How do you know?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

Counting forwards

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Ordering Numbers

We can order these numbers from greatest to smallest.

50	35	20	10

How do you know?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

Counting backwards

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Ordering Numbers

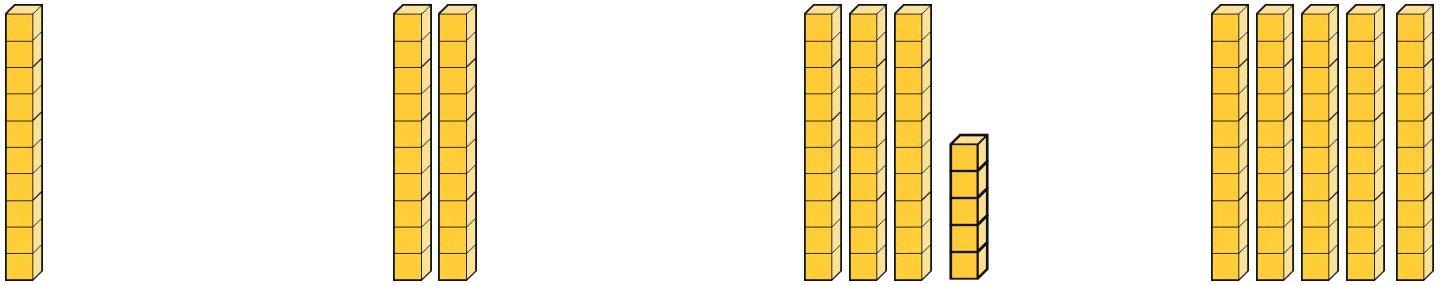
Whole Class

Is there another way that we can check our answers?

Place value!

Smallest to Greatest

10	20	35	50
one ten	two tens	three tens	five tens



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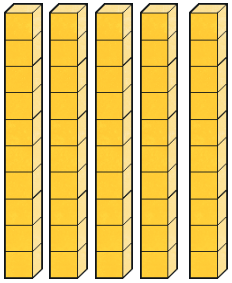
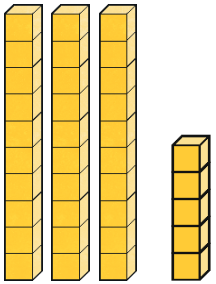
Ordering Numbers

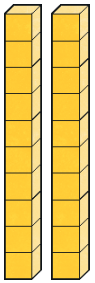
Whole Class

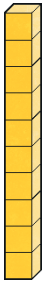
Greatest to Smallest

50	35	20	10
five tens	three tens	two tens	one ten









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Ordering Numbers

Can we use place value to order these numbers?

Smallest to Greatest

47

33

31

41

38

What's different about these numbers?

Some of the numbers have the same tens digit.

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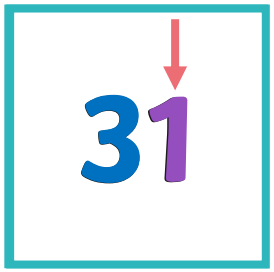
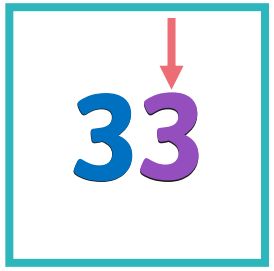
Ordering Numbers

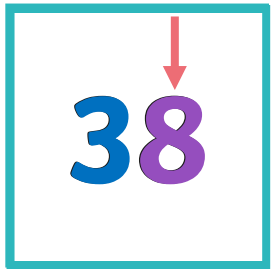
First, look at the tens digits.

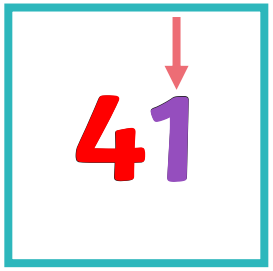
Then, look at the ones digits.

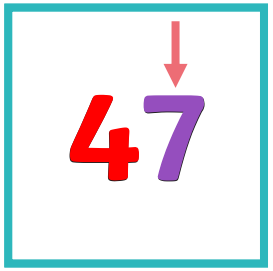
Smallest to Greatest











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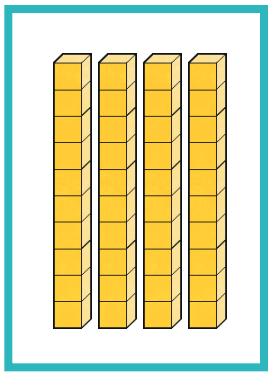
Ordering Numbers

Whole Class

How can we order numbers that are represented in different ways?

32



thirty-nine

20 + 18

4 tens + 2 ones

How did you order them?

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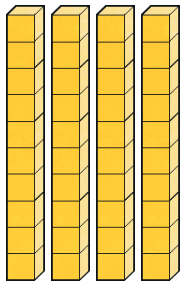
Ordering Numbers

We use our understanding of what number each representation shows to order them.

32



= 40

thirty-nine
= 39

4 tens + 2 ones
= 42

20 + 18
= 38

4 tens + 2 ones

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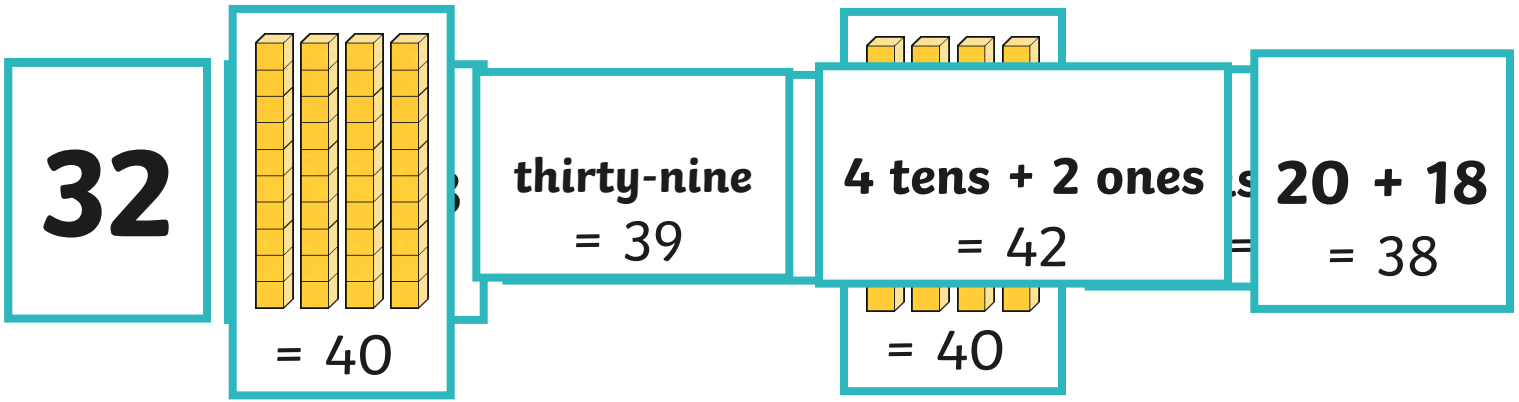
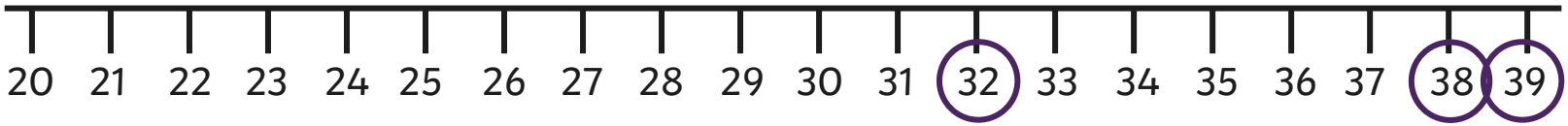
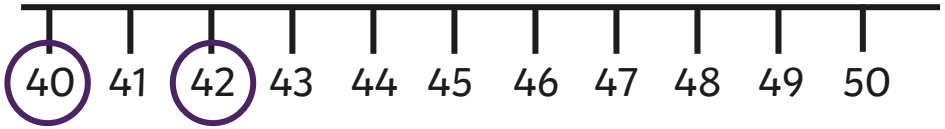
Ordering Numbers

Whole Class

Can you order these numbers from smallest to greatest?







How do you know?

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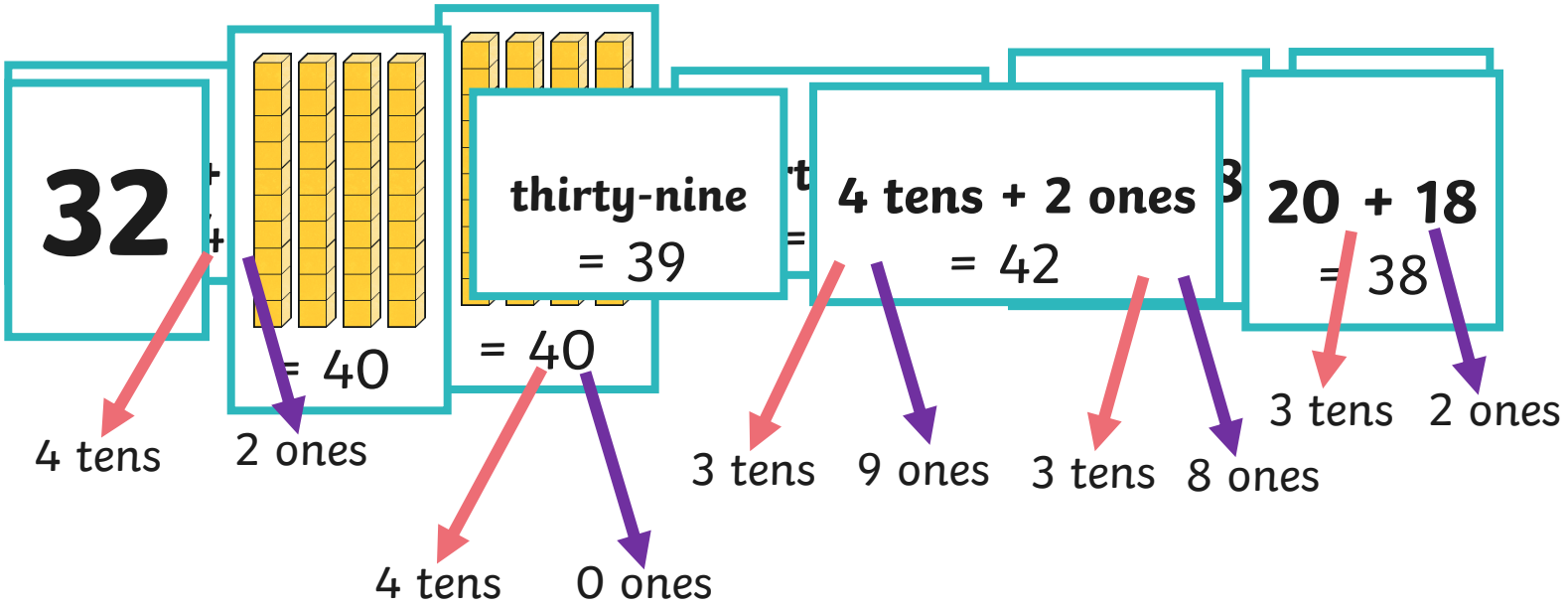
Ordering Numbers

Can you order these numbers from greatest to smallest?



How do you know?

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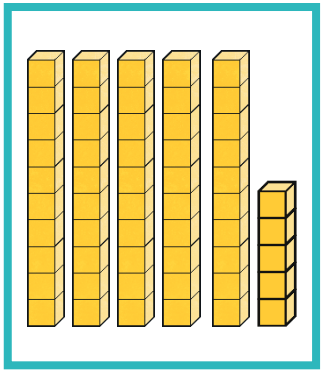
Ordering Numbers

Whole Class

Can you order these numbers from smallest to greatest?

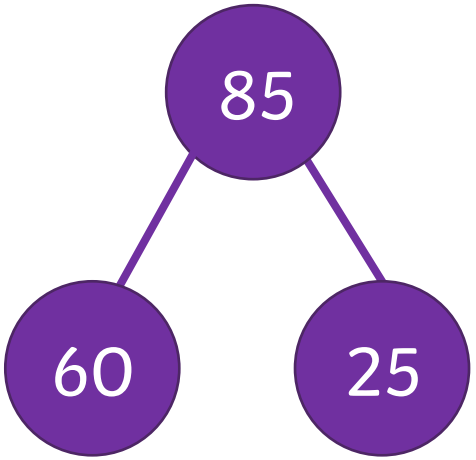
Can you order these numbers from greatest to smallest?

75



forty-five

6 tens + 5 ones



How did you do it?

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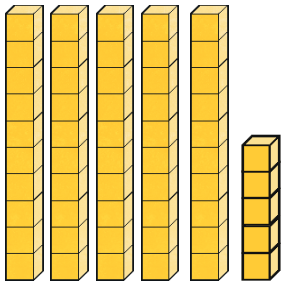
Ordering Numbers

Whole Class

First, we understand what each one represents.
Then, we order them.

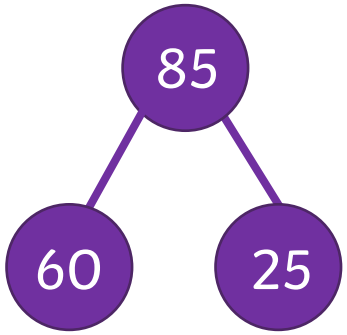
forty-five
= 45



= 55

6 tens + 5 ones
= 65

75
= 75



smallest to greatest

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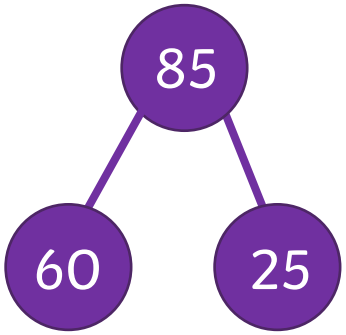
Ordering Numbers

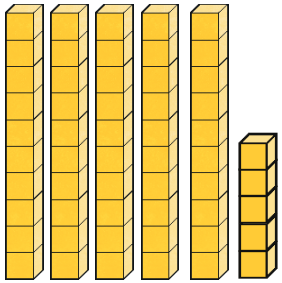
Whole Class

First, we understand what each one represents.
Then, we order them.



75
= 75

6 tens + 5 ones
= 65


= 55

forty-five
= 45

greatest to smallest

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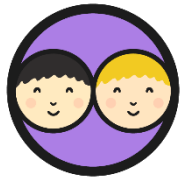
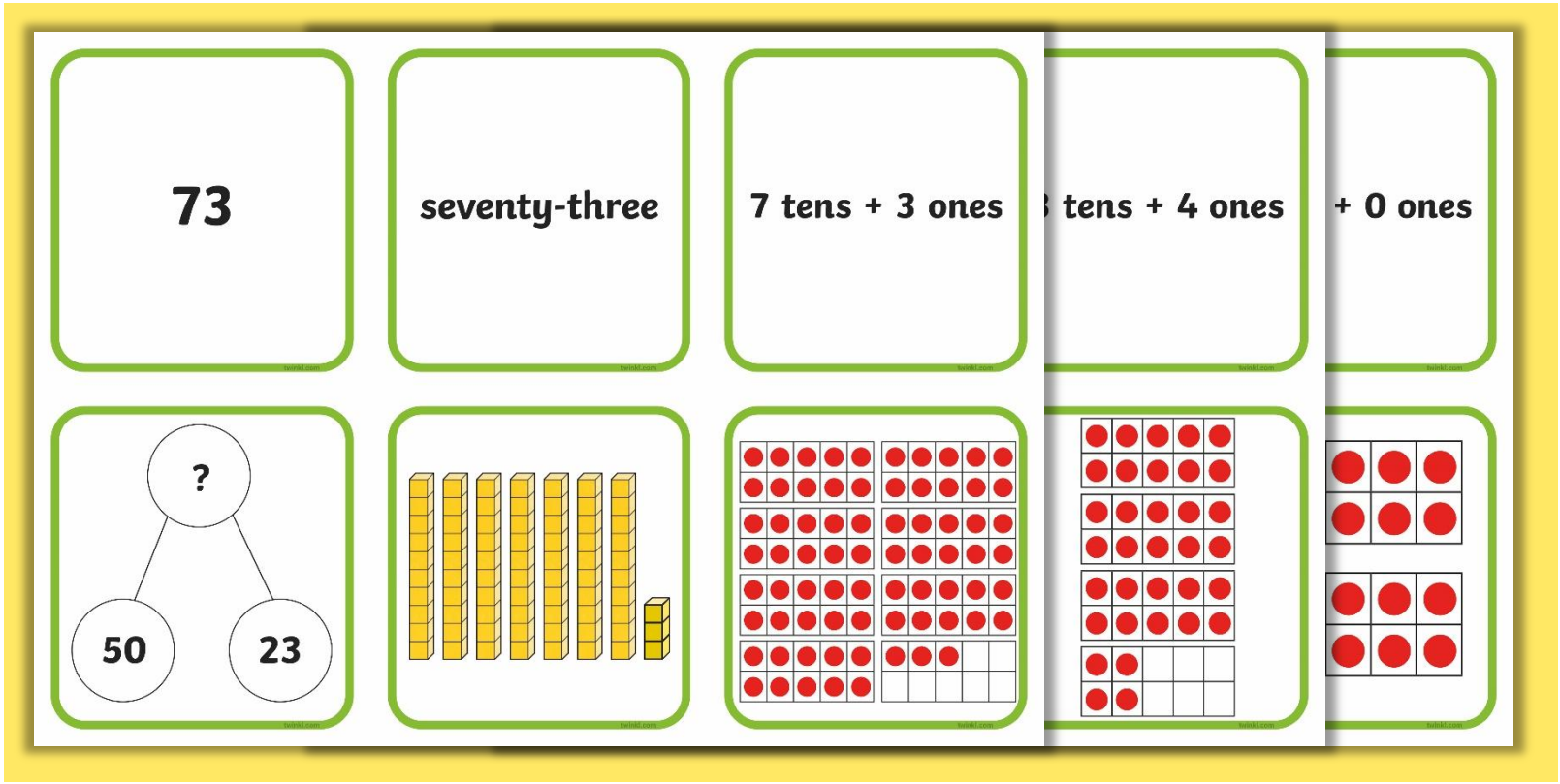
Order it Again!



Work in pairs. Choose five cards at random. Order them from smallest to greatest. Then, order them from greatest to smallest.



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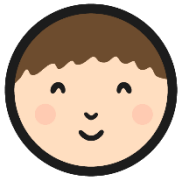
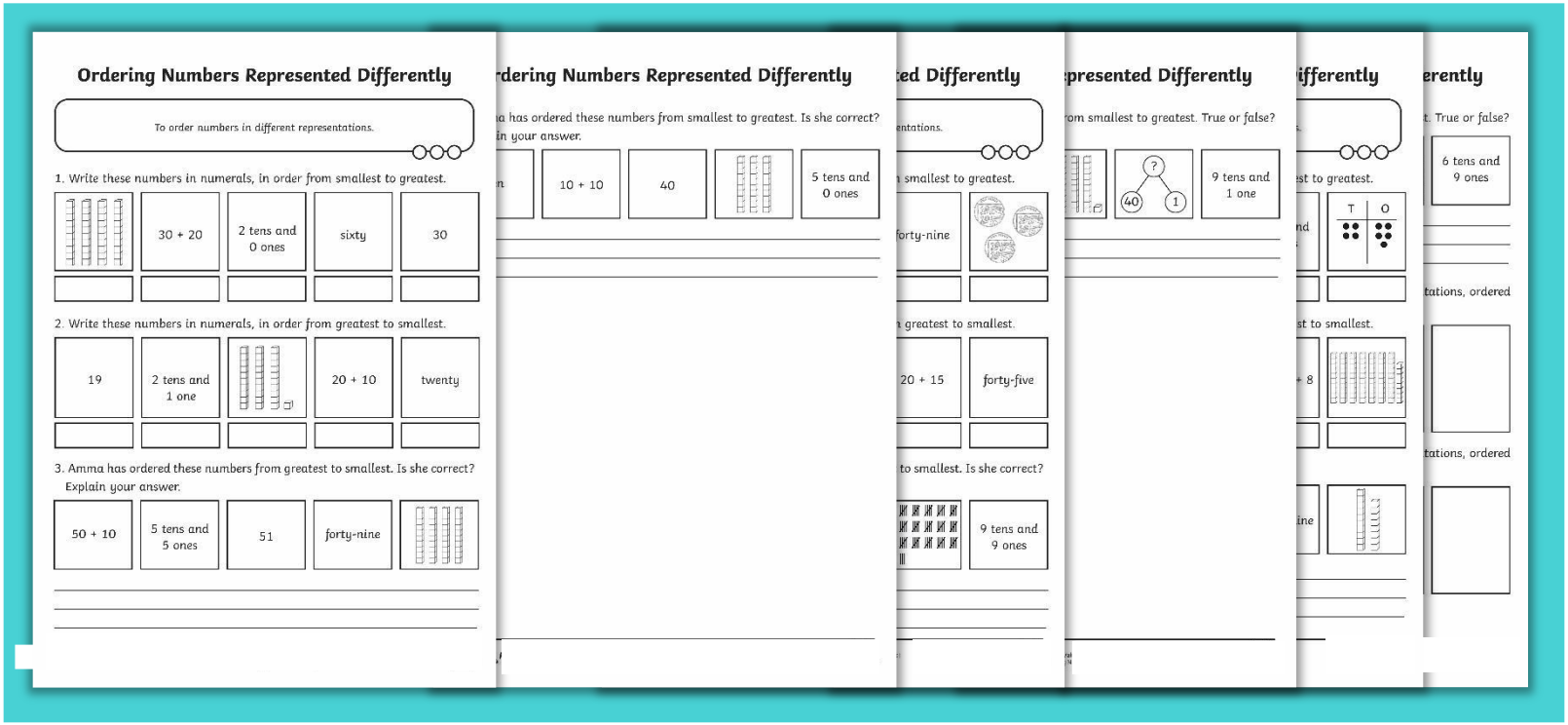
Ordering Numbers Represented Differently



Can you order numbers represented in different ways?



Ordering Numbers Represented Differently

To order numbers in different representations.

1. Write these numbers in numerals, in order from smallest to greatest.

	30 + 20	2 tens and 0 ones	sixty	30

2. Write these numbers in numerals, in order from greatest to smallest.

19	2 tens and 1 one		20 + 10	twenty

3. Amma has ordered these numbers from greatest to smallest. Is she correct? Explain your answer.

50 + 10	5 tens and 5 ones	51	forty-nine	

rdering Numbers Represented Differently

a has ordered these numbers from smallest to greatest. Is she correct? in your answer.

10 + 10	40		5 tens and 0 ones

ed Differently

entations.

smallest to greatest.

forty-nine	

greatest to smallest.

20 + 15	forty-five

to smallest. Is she correct?

	9 tens and 9 ones

presented Differently

om smallest to greatest. True or false?

	? 40 1	9 tens and 1 one

ifferently

st to greatest.

	T O

st to smallest.

+ 8	

ine

erently

t. True or false?

6 tens and 9 ones

tations, ordered

tations, ordered

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Diving into Mastery

Dive in by completing your own activity!

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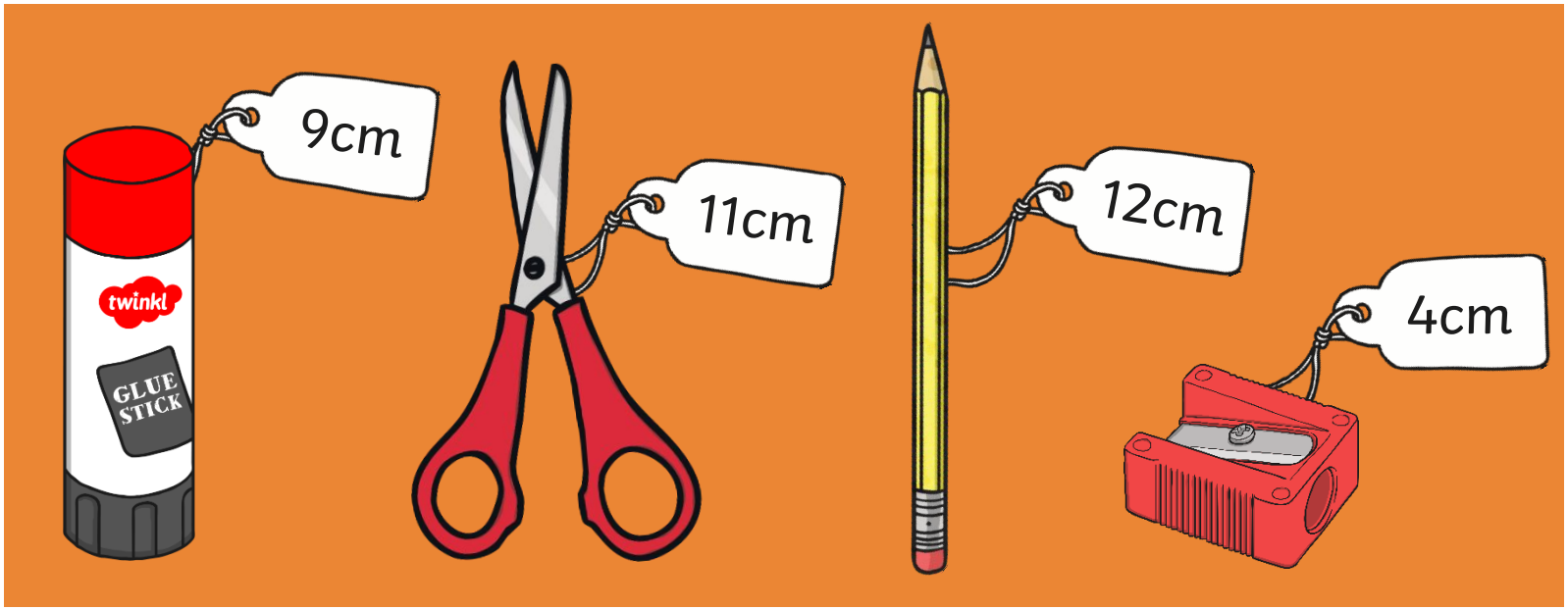
Challenge Time

Anita has ordered the following items from longest to shortest.

Is she correct?



Anita is incorrect. 12cm is longer than the rest and 9cm is shorter than 11cm but longer than 4cm.

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Challenge Time

Ronan runs a race with his friends. His time is 16 minutes.

What position does Ronan come in the race? Explain your answer.

Ronan came third in the race between Layla and Anwa.

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Aim

- To order numbers in different representations.

Success Criteria

- I can order numbers in different representations from smallest to greatest.
- I can order numbers in different representations from greatest to smallest.

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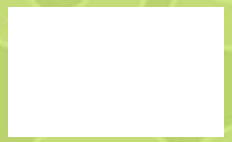

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