



THIRD SPACE
LEARNING

Ready-to-go Lesson Slides

Year 2

Place Value
Lesson 8

Aut1

At Third Space Learning we provide personalised online lessons from specialist maths tutors to support the target groups in your school.

These ready-to-go slides are designed to work alongside our interventions to supplement quality first teaching and raise attainment in maths for all pupils.

To find out more about how you could use our 1-to-1 interventions year-round to boost maths progress in your school then get in touch:

020 3771 0095

hello@thirdspacelearning.com

Boosting maths progress through 1-to-1 conversations...



To order numbers and objects

- I can order numbers to 100 from greatest to smallest or smallest to greatest
- I can represent the order of numbers in different ways
- I can explain and justify my answers using different resources

Starter:

Can you work out what is missing here?

How do you know?

$$20 + 15 = 35$$

$$30 + 15 = 45$$

$$40 + 15 = 55$$

$$50 + 15 = \underline{\quad} 5$$

$$\underline{\quad} + 15 = 75$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

To order numbers and objects

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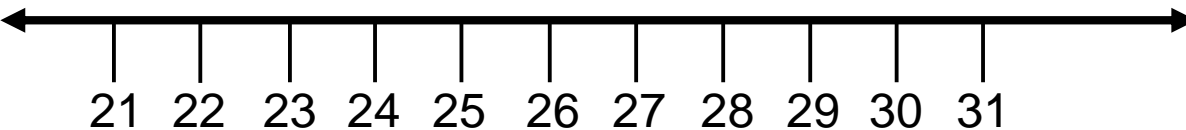
$$\underline{60} + 15 = 75$$

$$\underline{70} + \underline{15} = \underline{85}$$

To order numbers and objects

Talking Time:

Can you circle the numbers 27, 22 and 30 on the number line?

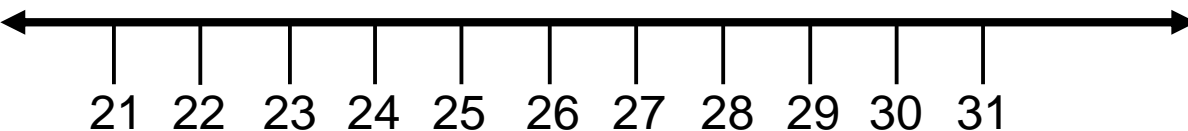


Which of these numbers is the smallest? How do you know?
Which of these numbers is the greatest? How do you know?

To order numbers and objects

Talking Time:

Can you circle the numbers 27, 22 and 30 on the number line?



Which of these numbers is the smallest? How do you know?

22 is the smallest. 2 tens and 2 ones < 27 and 30.

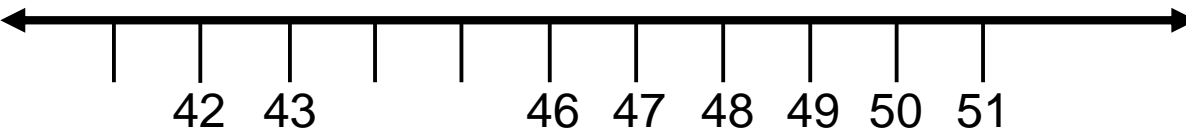
Which of these numbers is the greatest? How do you know?

30 is the greatest. The other two numbers only have 2 tens.

To order numbers and objects

Talking Time:

Which numbers are missing from this number line?
How do you know?

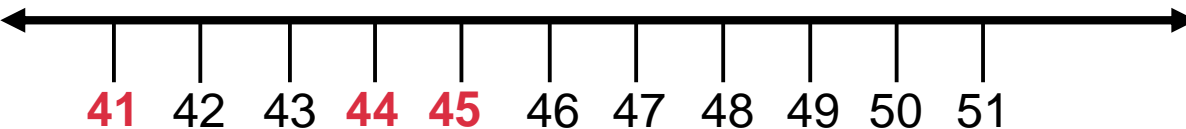


Which of these numbers is the smallest? How do you know?
Which of these numbers is the greatest? How do you know?

To order numbers and objects

Talking Time:

Which numbers are missing from this number line?
How do you know?



Which of these numbers is the smallest? How do you know?

All three numbers are forty-something numbers, but 41 is the smallest. It has 4 tens + 1 one.

Which of these numbers is the greatest? How do you know?

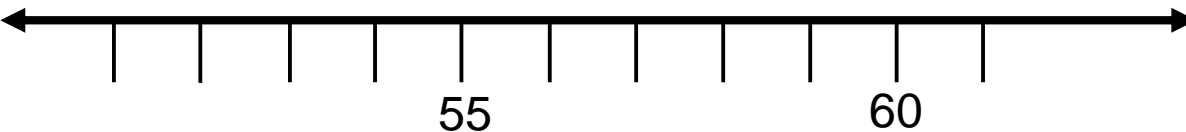
45 is the largest. It has 4 tens + 5 ones.

To order numbers and objects

Talking Time:

Where would you put the numbers 58, 53 and 51 on this number line?

Can you explain your thinking?



Which of these numbers is the smallest? How do you know?

Which of these numbers is the greatest? How do you know?

To order numbers and objects

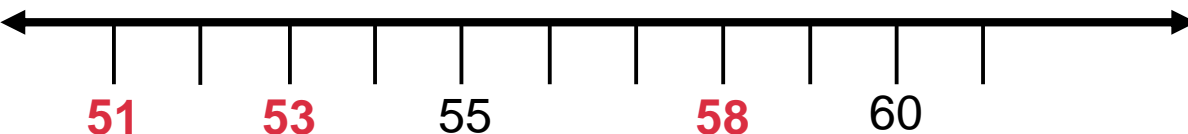
Talking Time:

Where would you put the numbers 58, 53 and 51 on this number line?

Can you explain your thinking?

58 is 2 fewer than 60. 53 is 2 fewer than 55.

51 is 2 fewer than 53.



Which of these numbers is the smallest? How do you know?

All three numbers are fifty-something numbers, but 51 is the smallest. It has 5 tens + 1 one.

Which of these numbers is the greatest? How do you know?

58 is the largest. It has 5 tens + 8 ones.

To order numbers and objects



Activity 1:

Here are 6 number cards.

Lucas has been asked to put them in order from smallest to largest.

He has made a start.

Can you help him to finish the task?

Which number will be the fifth one in the sequence?

62

54

43

45

34

26

smallest

greatest

To order numbers and objects



Activity 1:

Here are 6 number cards.

Lucas has been asked to put them in order from smallest to largest.

He has made a start.

Can you help him to finish the task?

Which number will be the fifth one in the sequence?

Extension:

If Lucas started with the greatest number first, which number would be third in the sequence? Why?

26

34

43

45

54

62

smallest

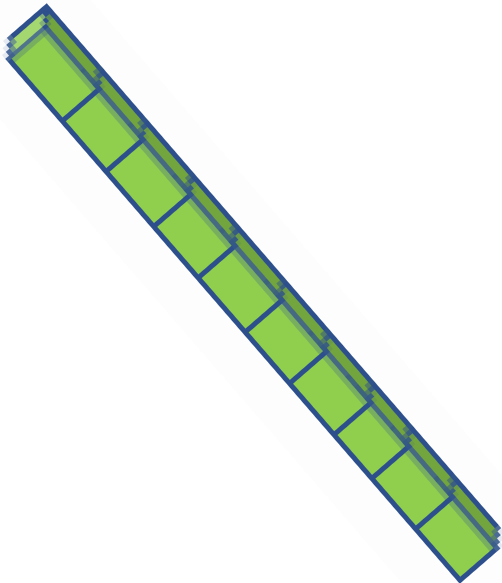


greatest

To order numbers and objects

Talking Time:

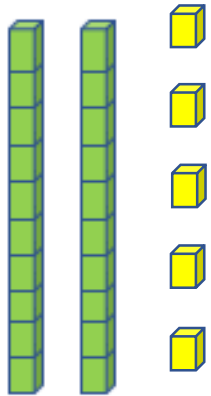
Can you use base 10 resources to make the numbers twenty-five, fifteen and fifty-one?



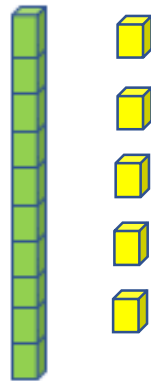
To order numbers and objects

Talking Time:

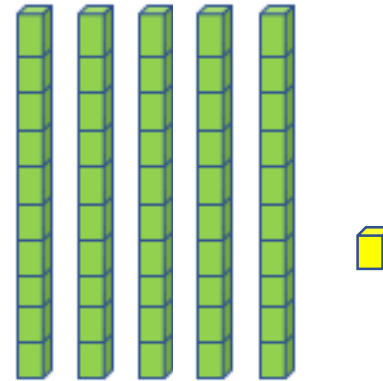
Can you use base 10 resources to make the numbers twenty-five, fifteen and fifty-one?



twenty-five



fifteen



fifty-one

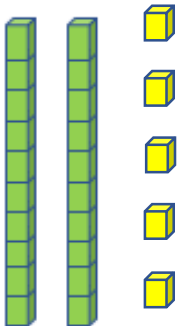
To order numbers and objects

Talking Time:

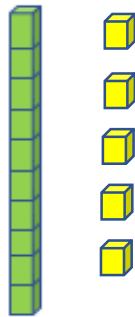
Can you write the numbers in numerals to match the base 10 examples you have just made?

Can you put them in order from greatest to smallest?

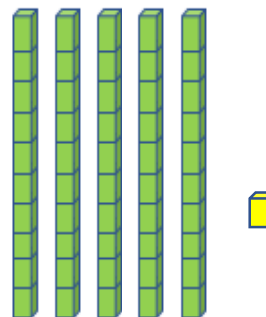
51



25



15

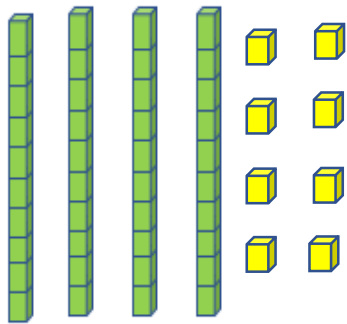


To order numbers and objects

Activity 2:

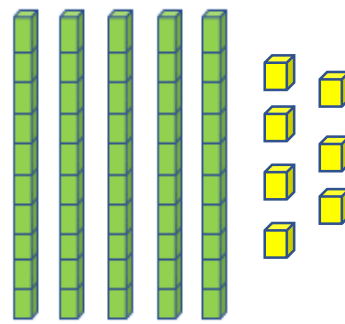
Does the base 10 example match the number example?

Can you explain your answer?



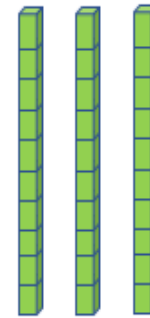
57

>



48

>



30

>

>

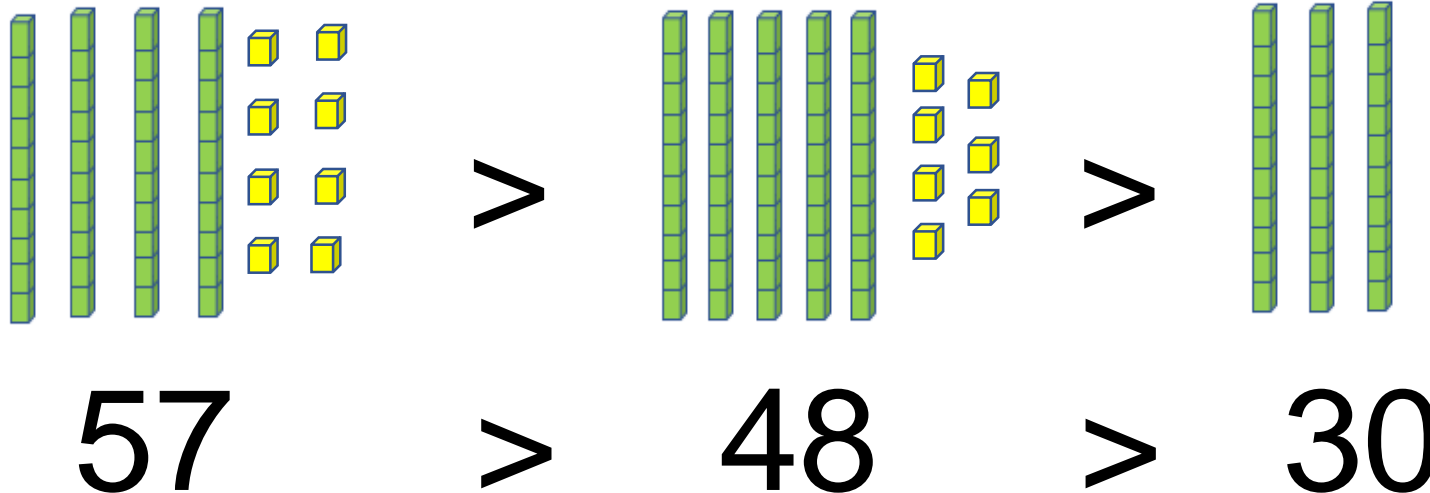
To order numbers and objects

Activity 2:

Does the base 10 example match the number example?
Can you explain your answer?

No, it does not.

The first two base 10 examples are in the wrong order.



To order numbers and objects

Talking Time:

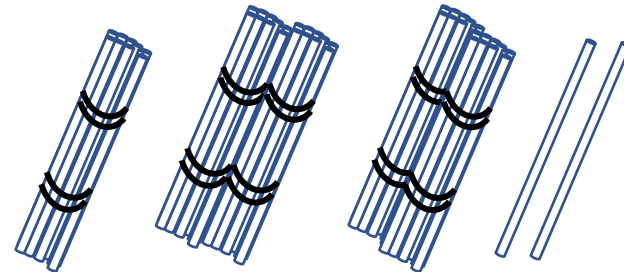
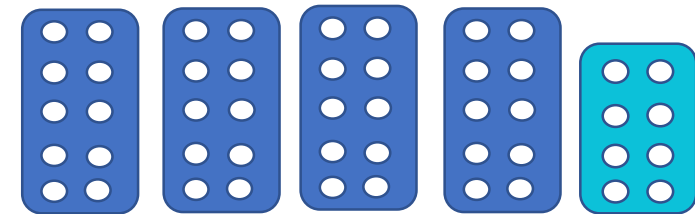
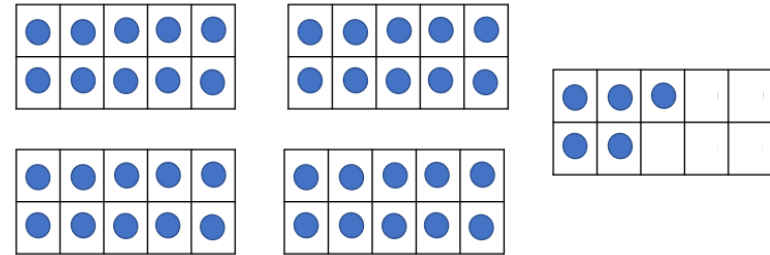
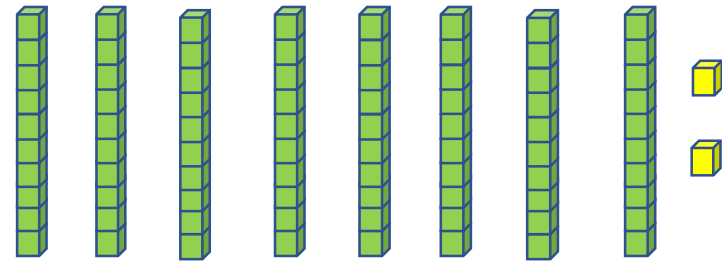
Here are some diagrams representing different numbers.

Can you circle the greatest number?

Can you circle the smallest number?

Can you complete the number sentence?

_____ > _____



To order numbers and objects

Talking Time:

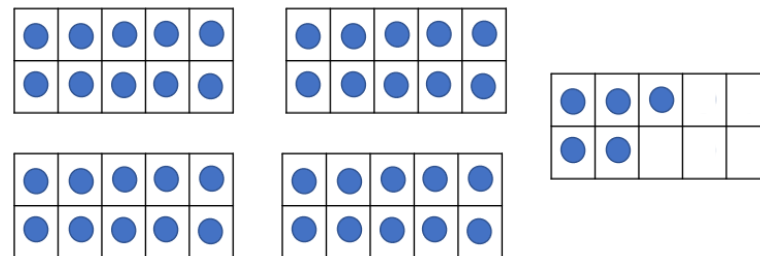
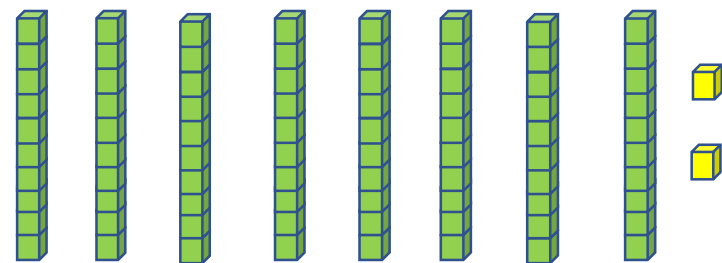
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Can you circle the greatest number?

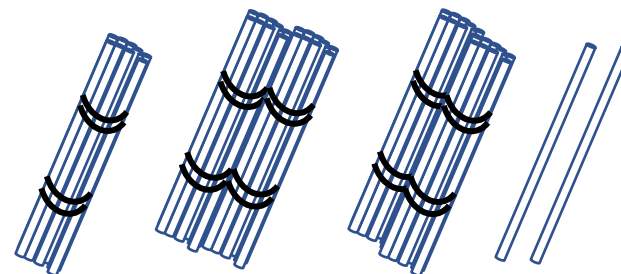
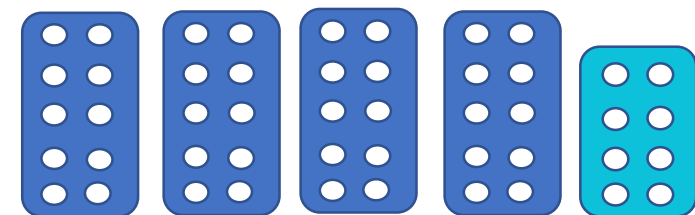
Can you circle the smallest number?

Can you complete the number sentence?

$$\underline{82} > \underline{45}$$



82



45

To order numbers and objects

Talking Time:

Here are some diagrams representing different numbers.

Can you circle the smallest number?

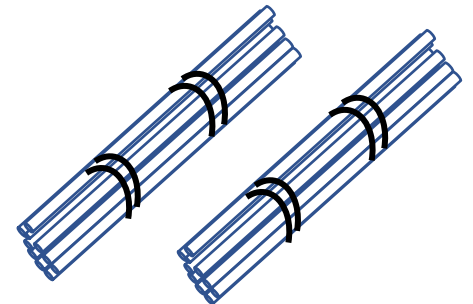
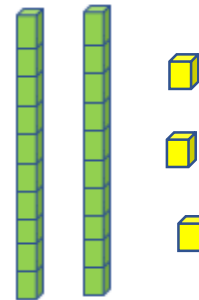
Can you circle the greatest number?

Can you complete the number sentence?

_____ < _____



tens	ones



To order numbers and objects

Talking Time:

Here are some diagrams representing different numbers.

Can you circle the smallest number?

Can you circle the greatest number?

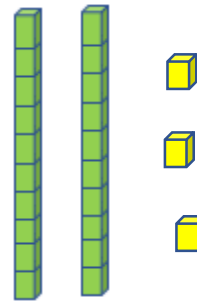
Can you complete the number sentence?

$$\underline{20} < \underline{31}$$

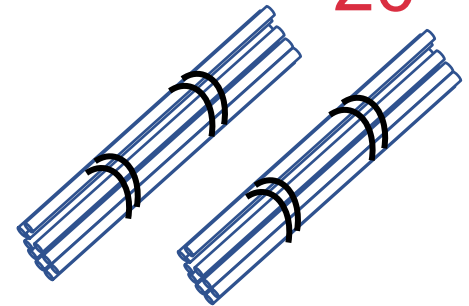


tens	ones

31



20



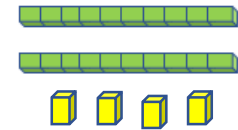
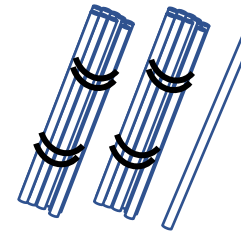
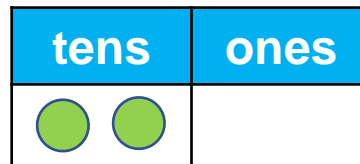
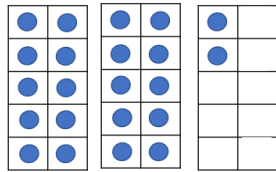
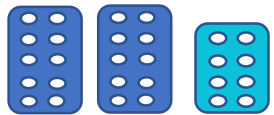
To order numbers and objects

Activity 3:

Here are five representations of different numbers.

Where will they fit on the track?

Can you write in each number to check your answers?



smallest		→			greatest	
		22				

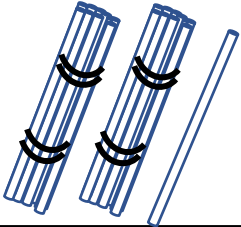
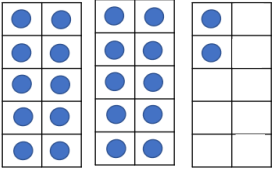
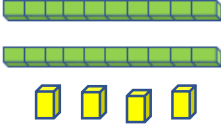

To order numbers and objects

Activity 3:

Here are five representations of different numbers.

Where will they fit on the track?

Can you write in each number to check your answers?

smallest		→			greatest
tens	ones				
20	21	22	23	24	

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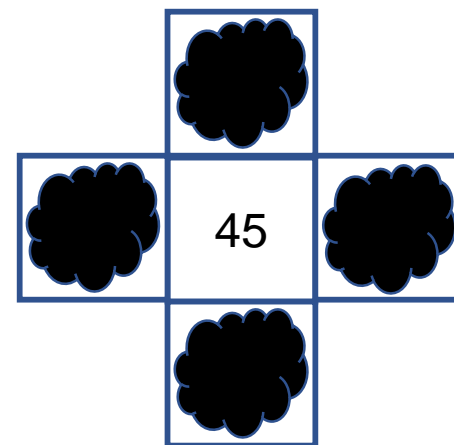
Evaluation:

Here is a jigsaw piece from a hundred square.

Which of the hidden numbers will be the greatest?

Which of the hidden numbers will be the smallest?

Why?



To order numbers and objects

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Evaluation:

Here is a jigsaw piece from a hundred square.

Which of the hidden numbers will be the greatest?

55 will be the greatest number. 10 more than 45.

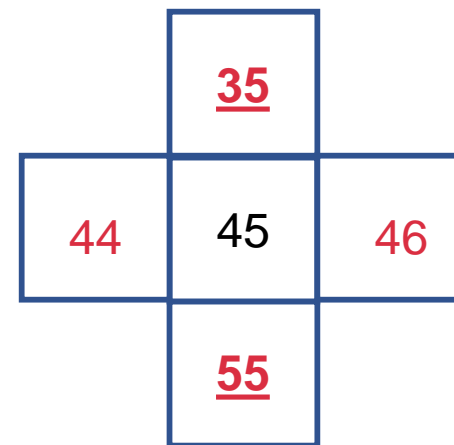
Which of the hidden numbers will be the smallest?

35 will be the smallest number. 10 less than 45.

Why?

44 and 46 are just one less and one more than 45.

35 and 55 are ten less and ten more.



Do you have a group of pupils who need a boost in maths this term?

Each pupil could receive a personalised lesson every week from our specialist 1-to-1 maths tutors.

- Raise attainment
- Plug any gaps or misconceptions
- Boost confidence

Speak to us:

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