Ready-to-go Lesson Slides Year 2

Place Value

Lesson 7

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:

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Boosting maths progress through 1-to-1 conversations…

THIRD SPACE LEARNING

To compare numbers using comparison vocabulary and symbols

- ❑ I can compare numbers to 100 using "greater than", "less than", "most", "least" and "equal to"
- ❑ I can use the <, > and = symbols to write number sentences
- ❑ I can explain and justify my answers using concrete resource

Starter:

Can you work out **more than one answer** to Darcey's problem?

I am thinking of 2 numbers.
Both numbers have 2 digits.
Both numbers are < 20.
The difference between them is 4.

To compare numbers using comparison vocabulary and symbols

- ❑ I can compare numbers to 100 using "greater than", "less than", "most", "least" and "equal to"
- ❑ I can use the <, > and = symbols to write number sentences
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Starter:

I am thinking of 2 numbers.
Both numbers have 2 digits.
Both numbers are < 20.
The difference between them is 4.

Can you work out **more than one answer** to Darcey's problem?

There are 6 possible answers.

10 and 14
11 and 15
12 and 16
13 and 17
14 and 18
and 15 and 19

To compare numbers using comparison vocabulary and symbols

Talking Time:

Can you fill in the gaps to make the statements true?

Use **more than**, **less than** or **equal to**.

57 is _____ 75

15 is _____ 51

32 is _____ 23

You could use resources to prove that you are correct.

To compare numbers using comparison vocabulary and symbols

Talking Time:

Can you fill in the gaps to make the statements true?

Use **more than**, **less than** or **equal to**.

57 is **less than** 75

15 is **less than** 51

32 is **more than** 23

You could use resources to prove that you are correct.

To compare numbers using comparison vocabulary and symbols

Talking Time:

Can you fill in the gaps to make the statements true?

Use **more than**, **less than** or **equal to**.

68 is _____ 60 + 8

91 is _____ 80 + 9

14 is _____ 30 + 11

You could use resources to prove that you are correct.

To compare numbers using comparison vocabulary and symbols

Talking Time:

Can you fill in the gaps to make the statements true?

Use **more than**, **less than** or **equal to**.

68 is **equal to** 60 + 8

91 is **more than** 80 + 9

14 is **less than** 30 + 11

You could use resources to prove that you are correct.

To compare numbers using comparison vocabulary and symbols

Talking Time:

Can you fill in the gaps to make the statements true?

Use **more than**, **less than** or **equal to**.

40 + 5 is _____ 30 + 15

60 + 8 is _____ 50 + 15

30 + 7 is _____ 20 + 18

You could use resources to prove that you are correct.

To compare numbers using comparison vocabulary and symbols

Talking Time:

Can you fill in the gaps to make the statements true?

Use **more than**, **less than** or **equal to**.

40 + 5 is **equal to** 30 + 15

60 + 8 is **more than** 50 + 15

30 + 7 is **less than** 20 + 18

You could use resources to prove that you are correct.

To compare numbers using comparison vocabulary and symbols

Activity 1:

Do you agree with Riley?
Why? Why not?

Can you explain how you know?

32 must be greater than
18 + 14 because 1 ten +
1 ten is only 2 tens.

To compare numbers using comparison vocabulary and symbols

Activity 1:

Do you agree with Riley?
Why? Why not?

Can you explain how you know?

32 must be greater than 18 + 14 because 1 ten + 1 ten is only 2 tens.

Riley is not correct.
32 is equal to 18 + 14.
Riley needs to remember that 8 ones + 4 ones will give him 1 ten + 2 ones.
Can you prove this with resources?

To compare numbers using comparison vocabulary and symbols

Talking Time:

Can you choose the right numbers to make these correct?

50

51

5

5 tens =

3 tens and 8 ones =

83

48

38

71   17

81

7 tens and 11 ones =

To compare numbers using comparison vocabulary and symbols

Talking Time:

Can you choose the right numbers to make these correct?

50

51

5

5 tens = | **50** |

3 tens and 8 ones = | **38** |

83

48

38

71 17

81

7 tens and 11 ones = | **81** |

To compare numbers using comparison vocabulary and symbols

Talking Time:

Can you choose the right numbers to make these correct?

35

53

23

30 + 5 >

60 + 8 >

86 68

58

44 24

34

20 + 14 >

Can you prove that your answers are right by using real objects or by drawing?

To compare numbers using comparison vocabulary and symbols

Talking Time:

Can you choose the right numbers to make these correct?

35

53

23

$30 + 5 >$ | 23 |

$60 + 8 >$ | 58 |

86   68

58

44   24

34

$20 + 14 >$ | 24 |

Can you prove that your answers are right by using real objects or by drawing?

To compare numbers using comparison vocabulary and symbols

Talking Time:

Can you choose the right numbers to make these correct?

27   72   70 + 2 < [ ]

77

40 + 14 < [ ]   44   64

54

42

52

32   20 + 10 + 12 < [ ]

Can you prove that your answers are right by using real objects or by drawing?

To compare numbers using comparison vocabulary and symbols

Talking Time:

Can you choose the right numbers to make these correct?

27   72   70 + 2 < | 77 |

77

40 + 14 < | 64 | 44   64

54

42

52   20 + 10 + 12 < | 52 |

32

Can you prove that your answers are right by using real objects or by drawing?

To compare numbers using comparison vocabulary and symbols

Activity 2:

Do you agree with Lucas?
Why? Why not?

Can you explain how you know?

> Two tens and fourteen ones is greater than three tens.

To compare numbers using comparison vocabulary and symbols

Activity 2:

Do you agree with Lucas?
Why? Why not?

Can you explain how you know?

Two tens and fourteen ones is greater than three tens.

Extension:
Can you write your own example, but change the words 'greater than' to 'less than'?

You should agree with Lucas because he is right.
Two tens and fourteen ones = 34.
34 > three tens or 30.

To compare numbers using comparison vocabulary and symbols

Talking Time:

Can you put <, > or = in each circle to make these correct?

<, > or =

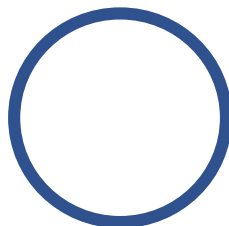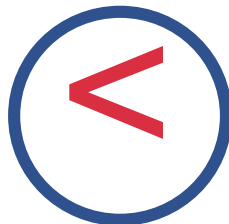50 ◯ 30 + 15

50 ◯ 30 + 15 + 5

You could use resources to prove that you are correct.

50 ◯ 30 + 15 + 10

To compare numbers using comparison vocabulary and symbols

Talking Time:

Can you put <, > or = in each circle to make these correct?

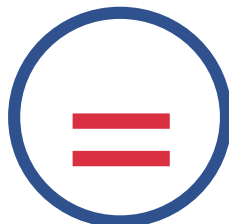## <, > or =

45
50 **>** 30 + 15

50
50 **=** 30 + 15 + 5

You could use resources to prove that you are correct.

55
50 **<** 30 + 15 + 10

To compare numbers using comparison vocabulary and symbols

Talking Time:

Can you put <, > or = in each circle to make these correct?

<, > or =

50 + 23 ◯ 80

30 + 40 + 10 ◯ 80

30 + 40 + 13 ◯ 80
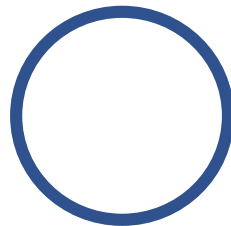
You could use resources to prove that you are correct.

To compare numbers using comparison vocabulary and symbols

Talking Time:

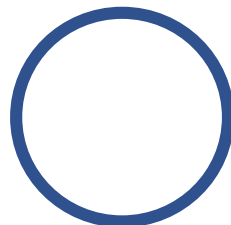Can you put <, > or = in each circle to make these correct?

<, > or =

50 + 23 **<** 80

30 + 40 + 10 **=** 80

30 + 40 + 13 **>** 80

You could use resources to prove that you are correct.

To compare numbers using comparison vocabulary and symbols

Talking Time:

Can you put <, > or = in each circle to make these correct?

<, > or =

75 + 20 ◯ 80 + 15
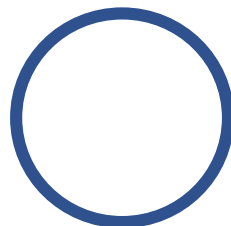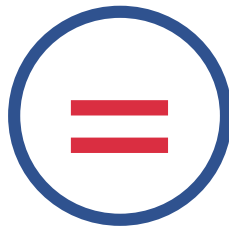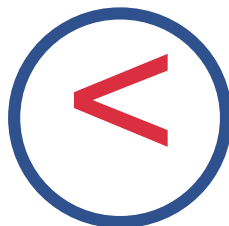
55 + 30 ◯ 80 + 5

25 + 20 + 13 ◯ 80 + 10

You could use resources to prove that you are correct.

To compare numbers using comparison vocabulary and symbols

Talking Time:

Can you put <, > or = in each circle to make these correct?

<, > or =

75 + 20 **(=)** 80 + 15

55 + 30 **(=)** 80 + 5

25 + 20 + 13 **(<)** 80 + 10

You could use resources to prove that you are correct.

To compare numbers using comparison vocabulary and symbols

Activity 3:

How many different numbers could go in the box?
Can you explain your choices?

$$33 < \boxed{} < 40$$

To compare numbers using comparison vocabulary and symbols

Activity 3:

How many different numbers could go in the box?
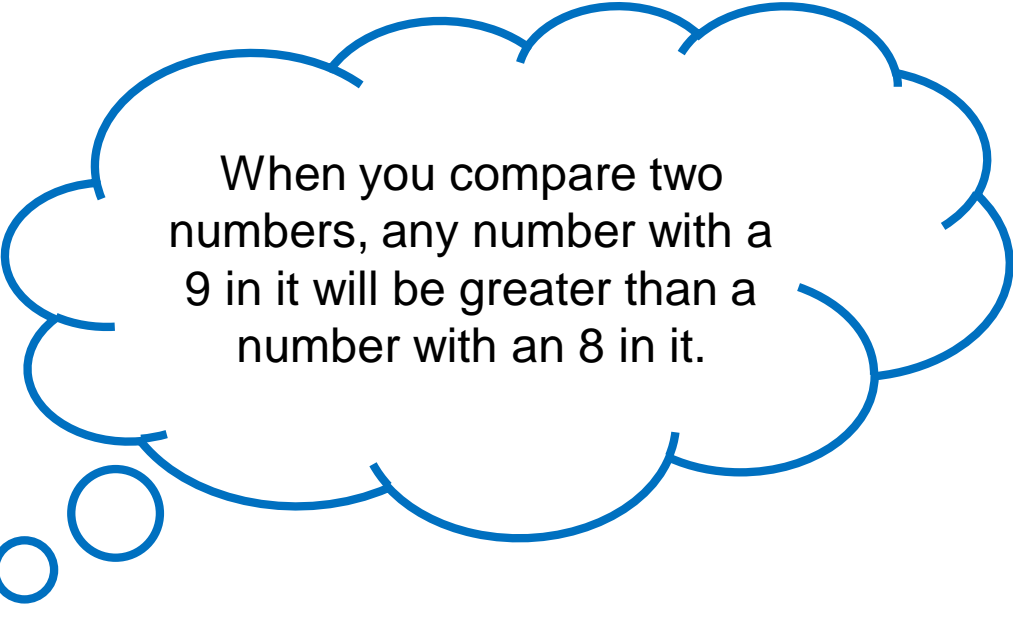Can you explain your choices?

$$33 < \boxed{} < 40$$

The numbers 34, 35, 36, 37, 38 and 39 could all go in the box.

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❑ I can compare numbers to 100 using "greater than", "less than", "most", "least" and "equal to"
❑ I can use the <, > and = symbols to write number sentences
❑ I can explain and justify my answers using concrete resource

Evaluation:

What do you think?

When you compare two numbers, any number with a 9 in it will be greater than a number with an 8 in it.
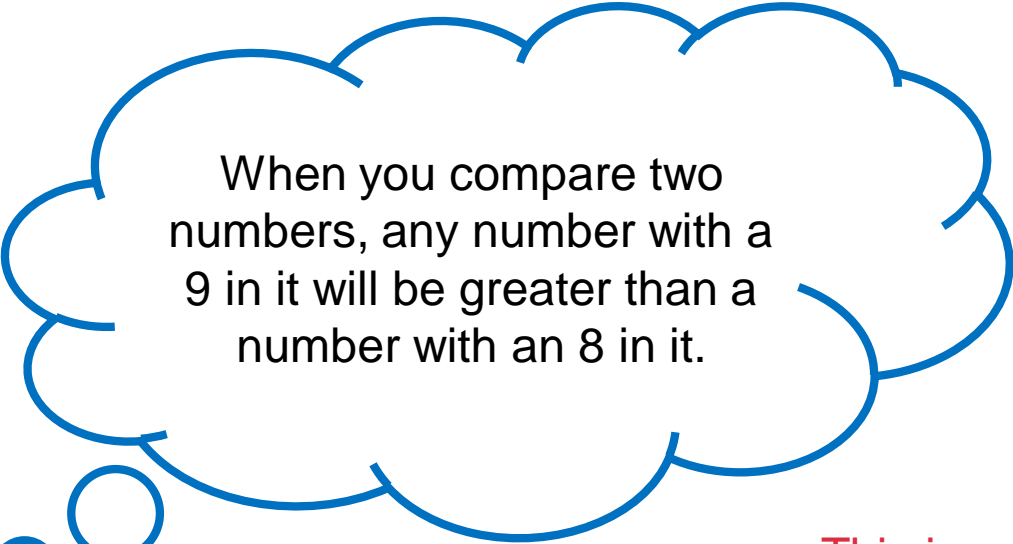
Is that right? Yes or no? Can you prove it?

To compare numbers using comparison vocabulary and symbols

❑ I can compare numbers to 100 using "greater than", "less than", "most", "least" and "equal to"
❑ I can use the <, > and = symbols to write number sentences
❑ I can explain and justify my answers using concrete resource

Evaluation:

What do you think?

When you compare two numbers, any number with a 9 in it will be greater than a number with an 8 in it.

Is that right? Yes or no?
Can you prove it?

This is not right.
For example, 29 < 38 and 89 < 98.

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

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