

Maths

Week 2

Please view these slides in present mode



Lesson 1

1 more and 1 less

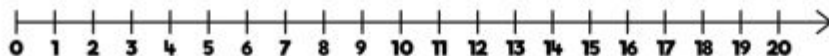
Flashback 4

Year 1 | Week 3 | Day 5

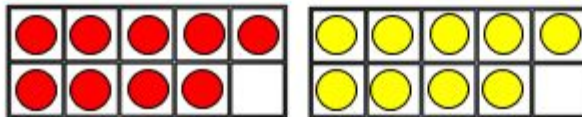
We have provided
5 'Flashbacks'
These are **daily**
mental maths
activities that
ask questions
linked to previous
learning.



1) Calculate $16 - 4$



2) Write the number bond shown on the ten frames.



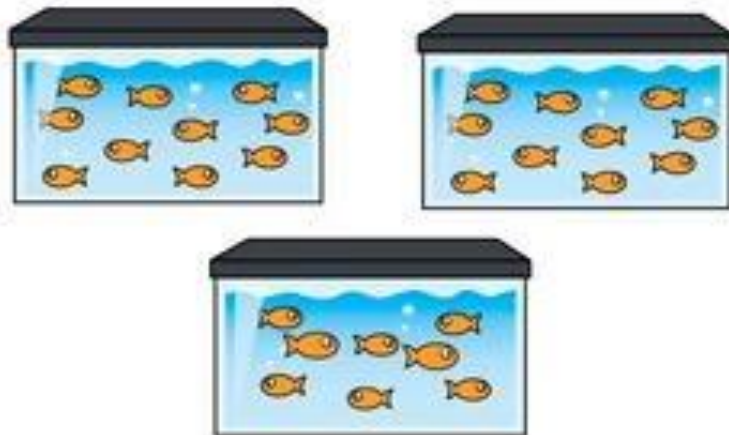
3) What is one less than 19?



4) A cone has ___ face and ___ curved surfaces.

Please watch the video.
Remember to press
pause or replay
parts of the video
if necessary.

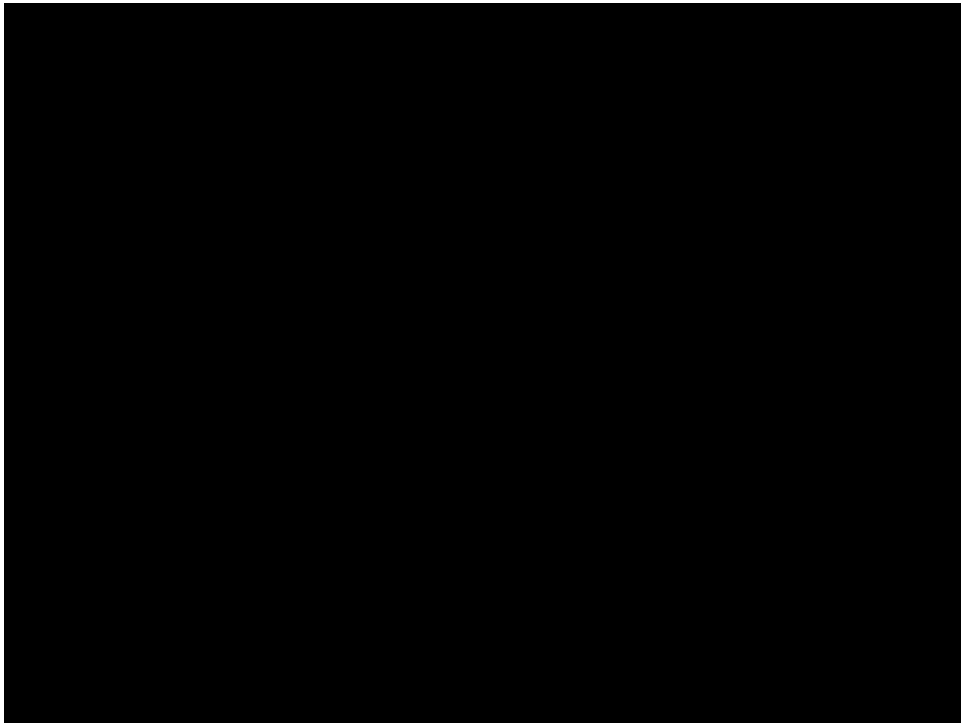
What is one less?



Please watch this short video that shows how we can practically find one more and one less than a number.

It also models how children can revisit and consolidate their learning about tens and ones.

Remember to press pause if necessary.



Let us practise finding 1 more.

I have made a number.

The number is 35

Finding **one more** is like
adding one!



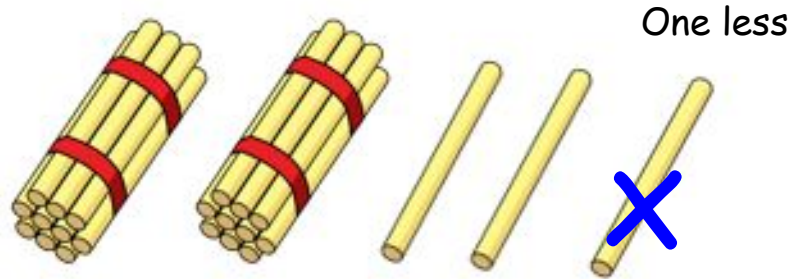
One more than 35 is **36**

Let us practise finding 1
less

I have made a number.

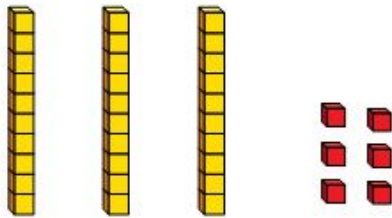
The number is 23

Finding **one less** is like
subtracting one!

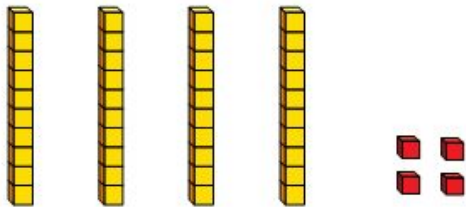


One less than 23 is **22**

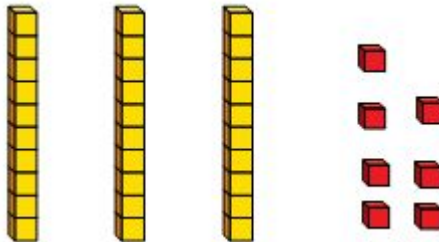
Look at the tens and ones. What is the number? Can you complete the sentence?
When you click the numbers will appear.



1 more than 36 is 37



1 less than 44 is 43



1 more than 37 is 38

Option 1

Complete question 1
on the activity sheet.

(In tomorrow's lesson the children
will complete the remaining
questions)

- I** Use counters or cubes to make each number.
- a) one more than 21
 - b) one more than 34
 - c) one less than 41
 - d) one less than 30

Option 2 (Challenge)

Go to the next slide
to investigate Rosie's
idea.

Always, sometimes, never...



When you find one
more than a number,
only the ones digit
will change.

Convince me using some examples.

Option 1

- I** Use counters or cubes to make each number.
- a) one more than 21
 - b) one more than 34
 - c) one less than 41
 - d) one less than 30

Option 2

Always, sometimes, never...



When you find one more than a number, only the ones digit will change.

Convince me using some examples.

This is Rosie's idea.

It might **always** be true,
sometimes be true or
never be true.

Can you decide which it is?

Can you write number sentences, draw pictures or anything else you can think of that proves to me that that Rosie's idea is always, sometimes or never true?

I will show you what I think on the next slide. I wonder if we agree?

This is what I think about Rosie's idea.

Sometimes it is true.

One more than 30 is 31. Only the ones digit changes.

One more than 43 is 44. Only the ones digit changes.

25 is one more than 24. Only the ones digit changes

But...

One more than 29 is 30. Both the tens and ones digit has changed.



Please view these slides in present mode



Present

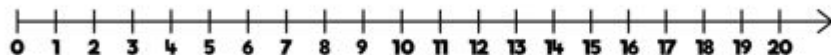


Lesson 2

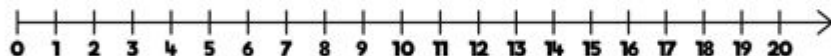
1 more and 1 less



- 1) Subtract 5 from 18



- 2) Add 6 and 13



- 3) Write thirteen in numerals

- 4) A sphere has curved surface.



Please watch the video.
Remember to press pause or replay parts of the video if necessary.

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

Have a think



25 is one more than 24

11 is one more than

48 is one less than

19 is one less than

Look at the shaded number on the number track.

What are the missing numbers?

When you click the numbers will appear.

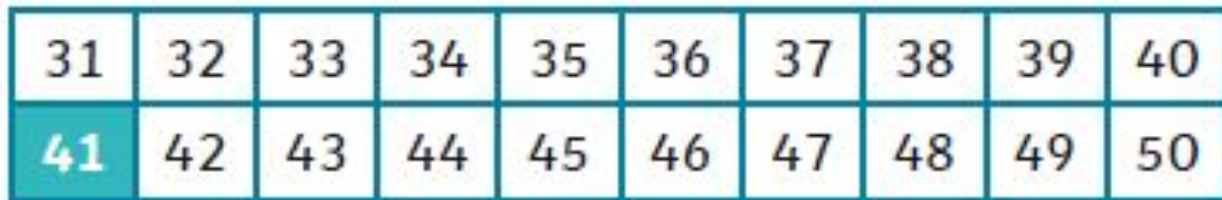


One more

28

One less

26



One more

42

One less

40

35

45

29

18

37

48

Can you use the numbers to make the sentences correct?

The answers will appear when you click.

37

is one more than 36.

29

is one less than 30.



46 is one more than

45

19 is one more than

18

Option 1

Complete sheet 1

2 Use different colours to show each number on the grid.

- a) one less than 17 c) one more than 39
b) one more than 26 d) one less than 50

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

3 Fill in the missing numbers.

One less	Number	One more
	31	
31		
		31
47		
		47

4



Whitney



Deater

My number has 4 tens. One more than my number would make the tens digit change.

My number is one more than forty-five.

Who has the greater number? _____

Option 2 (Challenge)

Can you solve the alien's clues and make your own clues about a number?

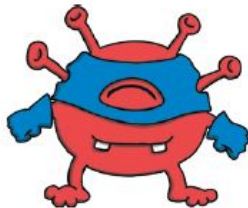


Please go to the next slide for more details.



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.



Option 2

Read the clues.

Can you solve the clues and
find the correct spaceship?

Can you write clues for the
remaining spaceships?

Please view these slides in present mode



Present

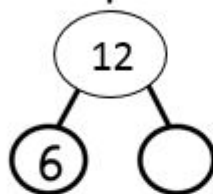


Lesson 3

Compare objects



- 1) Complete the part-whole model.



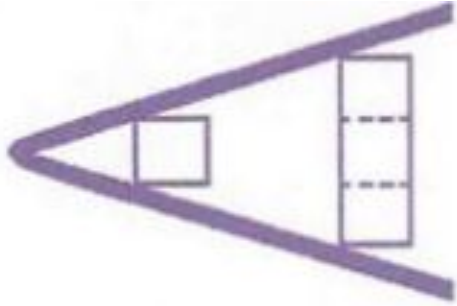
- 2) Subtract 6 from 12
- 3) Complete the sentence using **less** or **more**.

13 is _____ than 16

- 4) A cone has ____ faces and ____ curved surface.



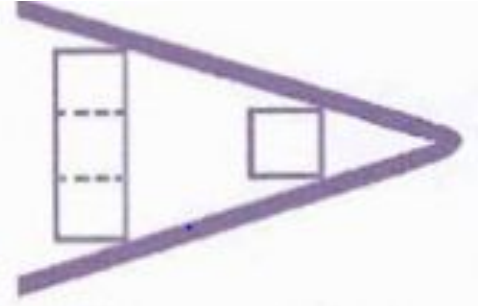
In our learning today we will use the symbols for greater than, less than or equal to. Look at the pictures to help us remember our previous learning.



1 is less than 3



2 is equal to 2

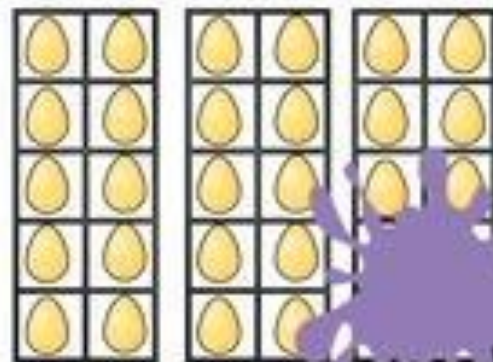


3 is greater
than 1

Please watch the video.
Remember to press pause or replay parts of the video if necessary.



Have a think

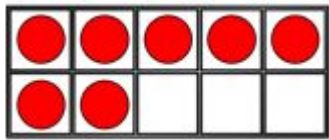
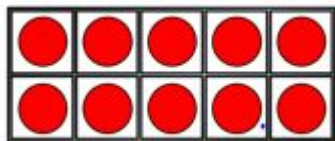
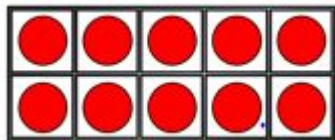
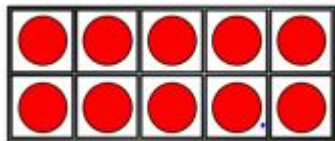


There are chicks. There are eggs.

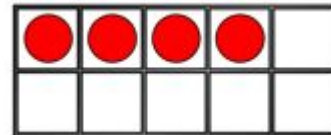
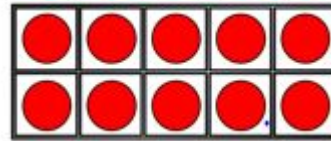
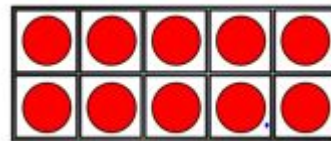
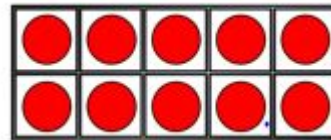
There are more chicks than eggs.

How many eggs could there be?

Let's compare the numbers, but before we compare we need say how many there is in each group.



Greater than
>



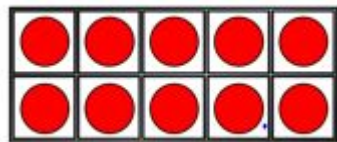
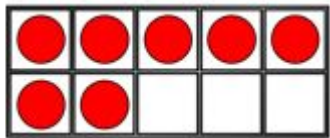
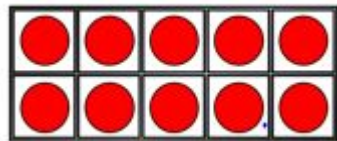
36

34

Can we compare the groups?
Can you say the sentence and draw the symbol?

36 is greater than 34.

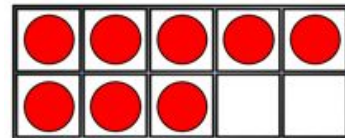
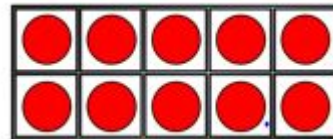
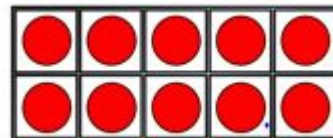
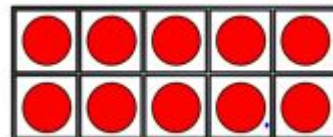
Let's practise one more time.



27

Less than

<



38

Can we compare the groups?
Can you say the sentence and draw the symbol?

27 is less than 38.

Please choose the activity that is most appropriate for your child.

Option 1

Complete the activity sheet.

Compare objects within 50

a) Draw counters to show the apples.

b) Draw counters to show the children.

c) Complete the sentences.

There are apples.

There are children.

There are fewer than .

Option 2 (practical)

Can you practically compare 2 numbers? Please go to the next slide for more information. If you want to show your teacher your learning take a photograph.

Option 3 (Challenge)

Look at the images that represent different numbers. Can you draw the correct coloured dots to show if the numbers match a statement? Please go to the appropriate slide for more information.

Compare Objects within 50

a) Draw counters to show the apples.

b) Draw counters to show the children.

c) Complete the sentences.

There are apples.

There are children.

There are fewer than .

Option 2 (practical)

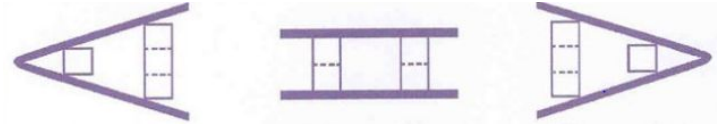
For this activity you will need objects such as - counters, lego bricks, pasta or pennies. It might also be useful to use tens frames. These can be hand drawn or printed from Google Classroom resources.

Pick a number -

23

36

1. Count objects to make the number.
2. Group the objects into tens and ones.
3. Now do the same for the next number
4. Can you compare the number of objects by drawing the correct symbol and by saying a clever sentence using the maths words:
greater than and less than?



If you would like to practise this more pick your own numbers between 20 - 50.

Option 3 (Challenge)

You will need to print the sheet.

Look at each number and draw the correct coloured dots .

I have done the first one for you.

Go to the next slide to view the solutions

Compose Objects within 50

27 28 29 30 31 32 33 34 35 36 37

38 39 40 41 42 43 44 45 46 47 48

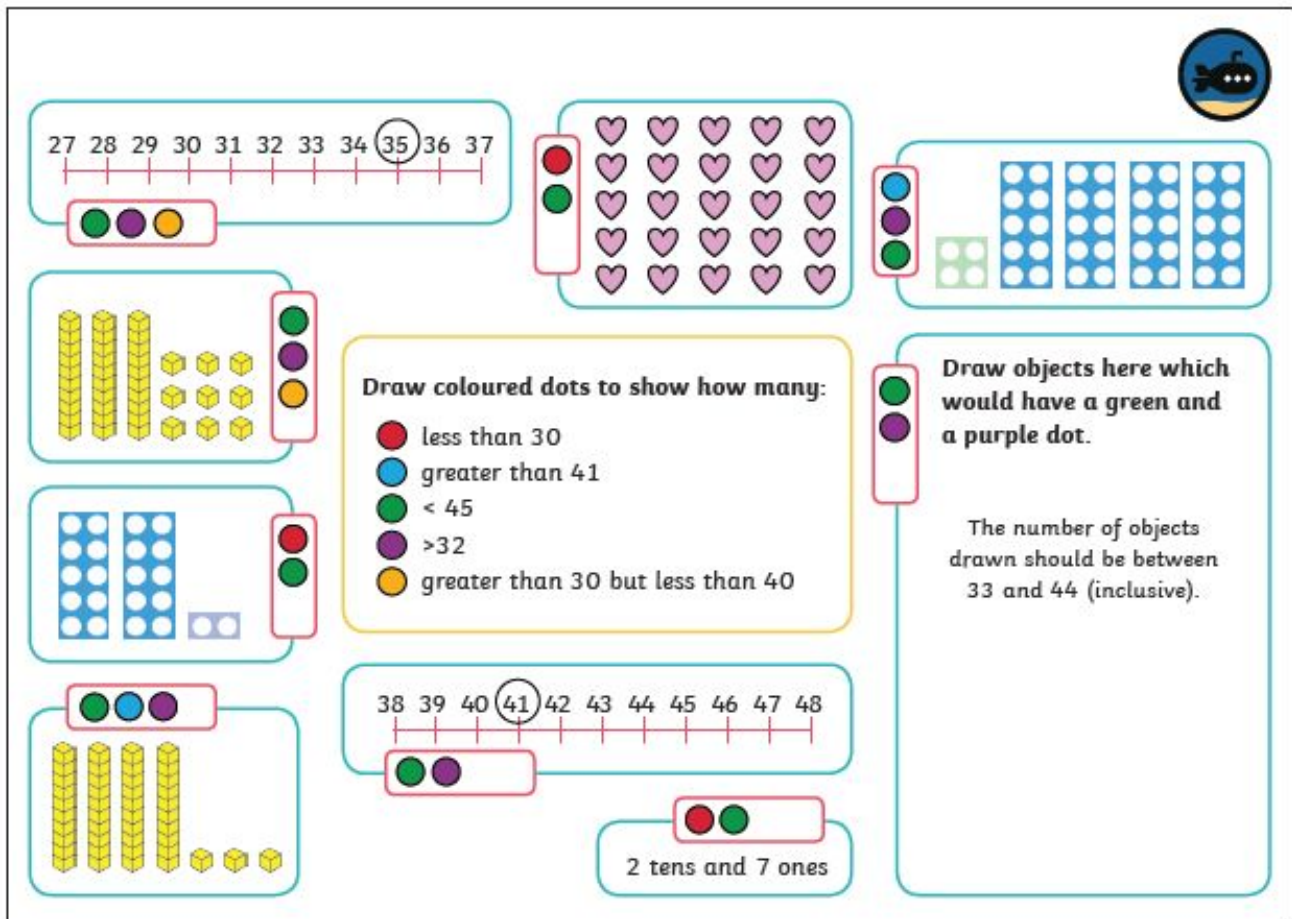
Draw coloured dots to show how many:

- less than 30
- more than 41
- < 45
- > 32
- more than 30 but less than 40

Draw objects here which would have a green and a purple dot.

2 tens and 7 ones

Activity 3 solution



Please view these slides in present mode



Present



Lesson 4

Compare numbers



- 1) Use $<$, $>$ or $=$ to compare.

$$7 + 3 \quad \bigcirc \quad 7 + 5$$

- 2) Work out $19 - 5$

- 3) Write 13 in words

- 4) How many faces does the pyramid have?



Please watch the video.

Remember to press pause or replay parts of the video if necessary.

What can we use to compare numbers?

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

33 is less than 35

13 is 11



Let's practise comparing numbers.

Use the 50 grid to check your ideas,

When you click the answers will appear.

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

$$14 < 32$$

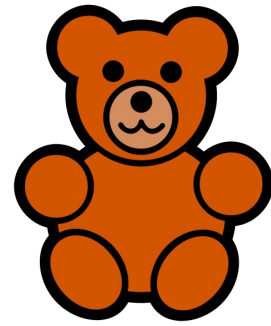
$$29 < 40$$

$$49 > 14$$

$$49 > 40$$

Burlington Bear has written this number sentence.

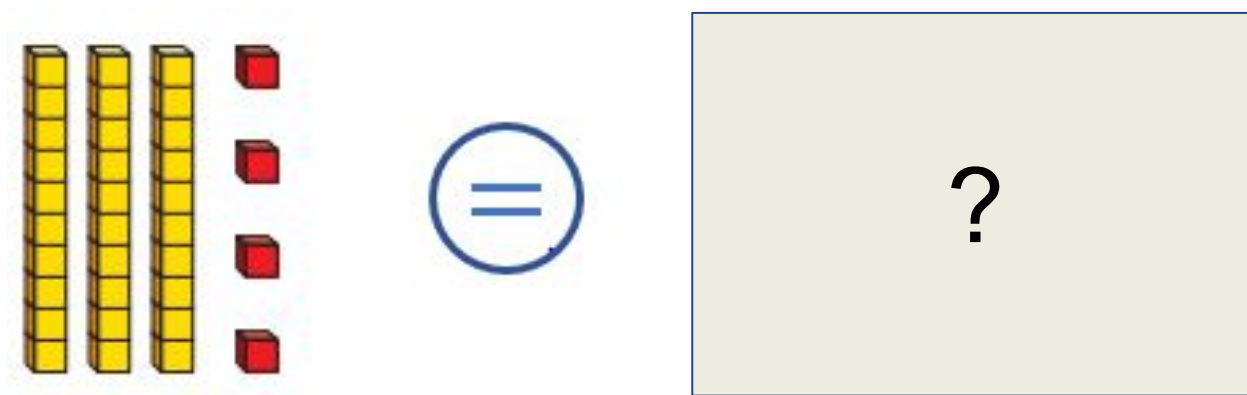
Is it true or false?



$$13 < 31$$

Have a little think. After you have decided if Burlington's idea is true or false click to reveal the answer.

Now let us practise comparing different representations of numbers.



3 tens and
4 ones

Which is correct?
Click to reveal the correct
phrase.

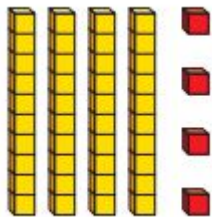
4 tens and
3 ones

Now let us practise comparing different representations of numbers.

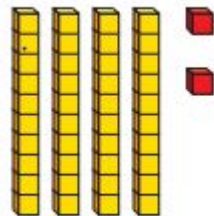
forty two



?



Which is correct?
Click to reveal the correct
phrase.



Option 1(challenge)

Complete the sheet

Compare numbers within 50



1 Tick the number sentences that are true.
Use cubes or counters to help you.

a) 12 is more than 13

b) 33 is less than 41

c) 2 tens and 8 ones is equal to twenty-eight

d) $40 + 8$ is more than $30 + 9$

e) Thirty-one is less than 3 tens



2 Write the missing phrase.

a) 22 is _____ 29

b) 41 is _____ 4 tens

c) Forty-six is _____ $40 + 3$

d) $40 + 8$ is _____ one more than 47



Option 2

Write comparing number sentences. Use the 50 grid to support understanding.

Please go to the next slide.

	is less than	
	>	
	is more than	
	<	
	is less than	

Option 2

Think of numbers to make every number sentence correct. Use the grid to check. Write the number sentence down.

	is less than	
	>	
	is more than	
	<	
	is less than	

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

Please view these slides in present mode



Present



Lesson 5

Order numbers



- 1) Use $<$, $>$ or $=$ to compare.

$$3 + 7 \bigcirc 8 + 3$$

- 2) Work out $15 + 3$

- 3) Complete the sentence using **less** or **more**.

18 is _____ than 9

- 4) How many faces does a cuboid have?



Please watch the video.

Remember to press pause or replay parts of the video if necessary.

Can you find these numbers?

1) fourteen

2) 39

3) $20 + 2$

4) 1 more than 49

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



Put these numbers in order, starting from the smallest.

10

20

30

40

50

Click to
reveal the
order

20

40

10

50

30

Put these numbers in order, starting from the smallest.

32

34

36

38

40

Click to
reveal the
order

34

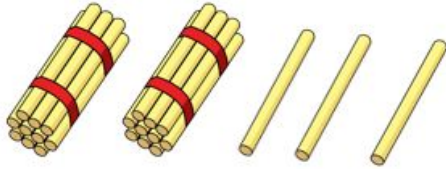
36

32

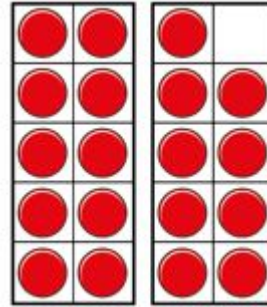
38

40

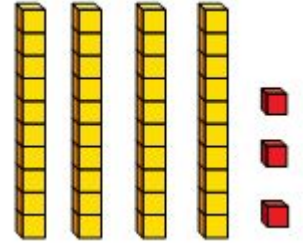
I have used different resources to represent numbers.
What are the numbers? *Click to reveal.*



23



19



43

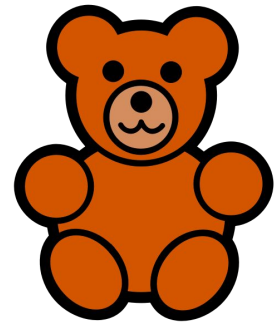
Now you know the numbers can
you order them from smallest to
greatest? Use your tens and
ones learning to help you.
Click to reveal the order.

19

23

43

Burlington Bear has ordered the numbers.
Is his ordering true or false?



$$13 < 30 < 31 < 33$$

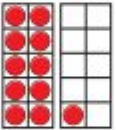
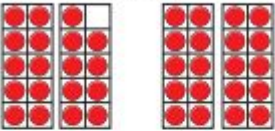
The numbers are ordered from
smallest to largest.

Have a little think. After you have
decided if Burlington's ordering is true
or false click to reveal the answer.

Option 1

Order numbers within 50

1 a) What are the numbers?



Write the numbers in order.
Start with the smallest number.

smallest greatest

Option 2 (Challenge)

Read the clues and put the numbers into the correct order from smallest to greatest.

Please go to the next slide.

4 children have written down their house number. They have become mixed up!

33 24 49 38



Lewis

My number has 4 tens.

Jed



My number is between 30 and 40.



Cara

My number is one less than 39.

Salma



My number is the smallest.

Option 2 (Challenge)



My number has 4 tens.

Jed



My number is between 30 and 40.

Cara



My number is one less than 39.

Salma



My number is the smallest.

4 children have written down their house number. They have become mixed up!

33

24

49

38

Write each child's name and number in order from smallest to greatest:

Challenge:

Can you give another clue for Lewis' house number?

Another child writes down their house number. It comes between Salma and Jed's house numbers. What number could it be?

Option 2 solution

Salma (24), Jed (33), Cara (38), Lewis (49).