

Monday 15th September 2025

Our maths Learning Journey

Key vocabulary:

Numbers

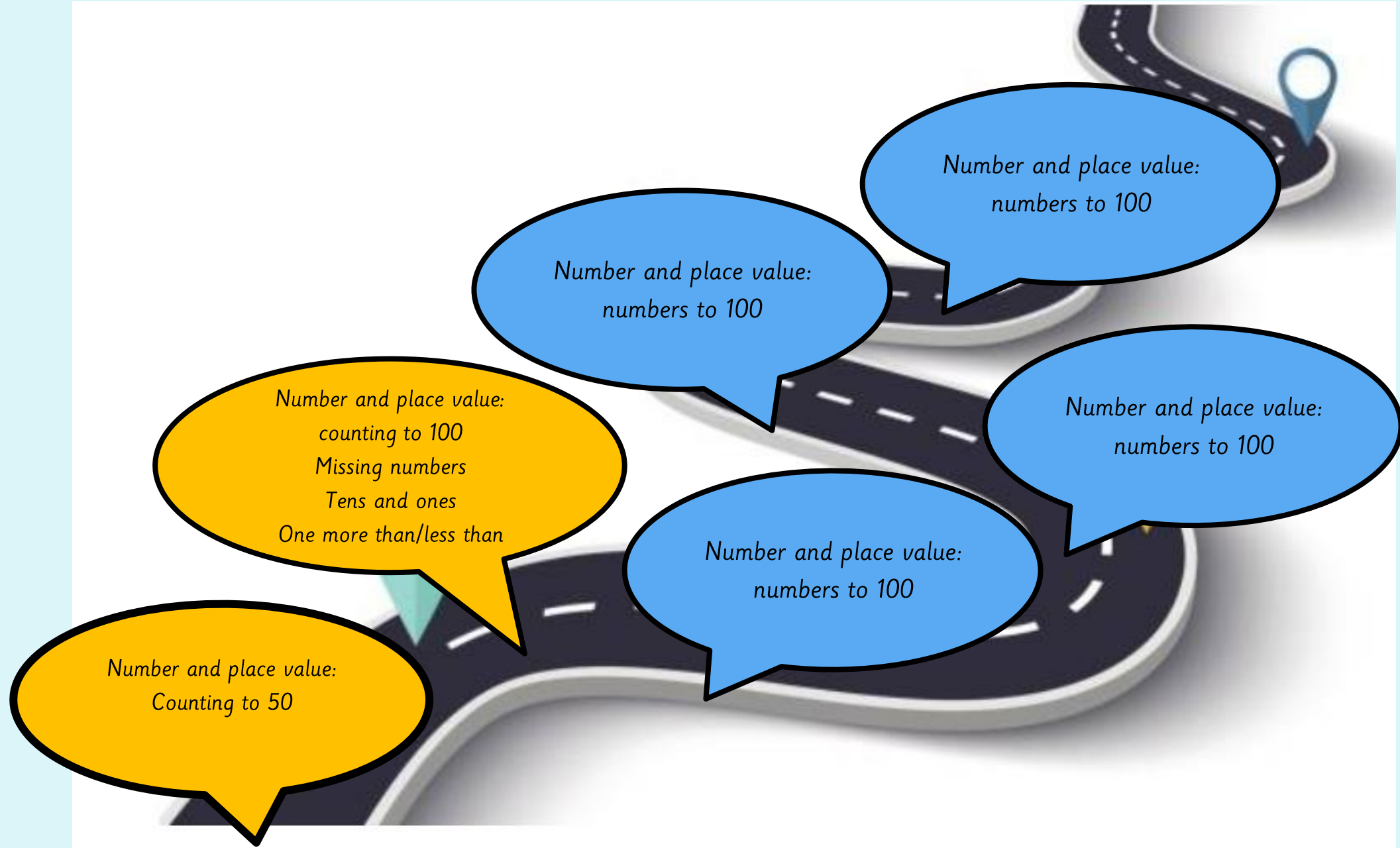
1-digit

2-digit

Tens ones

Counting on

Partition



15.09.25

Mental Maths

We are going to count in tens.

Let's count in tens
forwards

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
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Let's count in
tens backwards



LQ: Can I partition a number in tens and ones?

Steps to Success:

I can carefully count forwards.

I can group objects into groups of tens to help.

I can record the digits correctly.

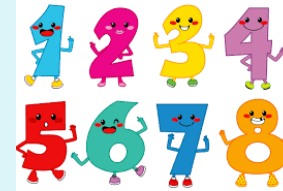


STAR WORDS

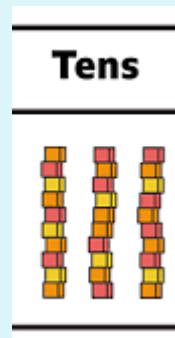
numbers



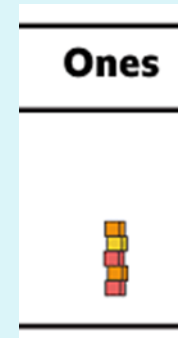
counting on



Counting forwards

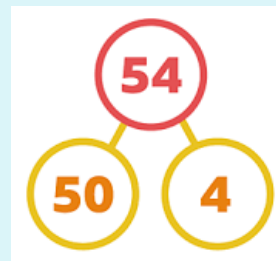


tens



ones

partition

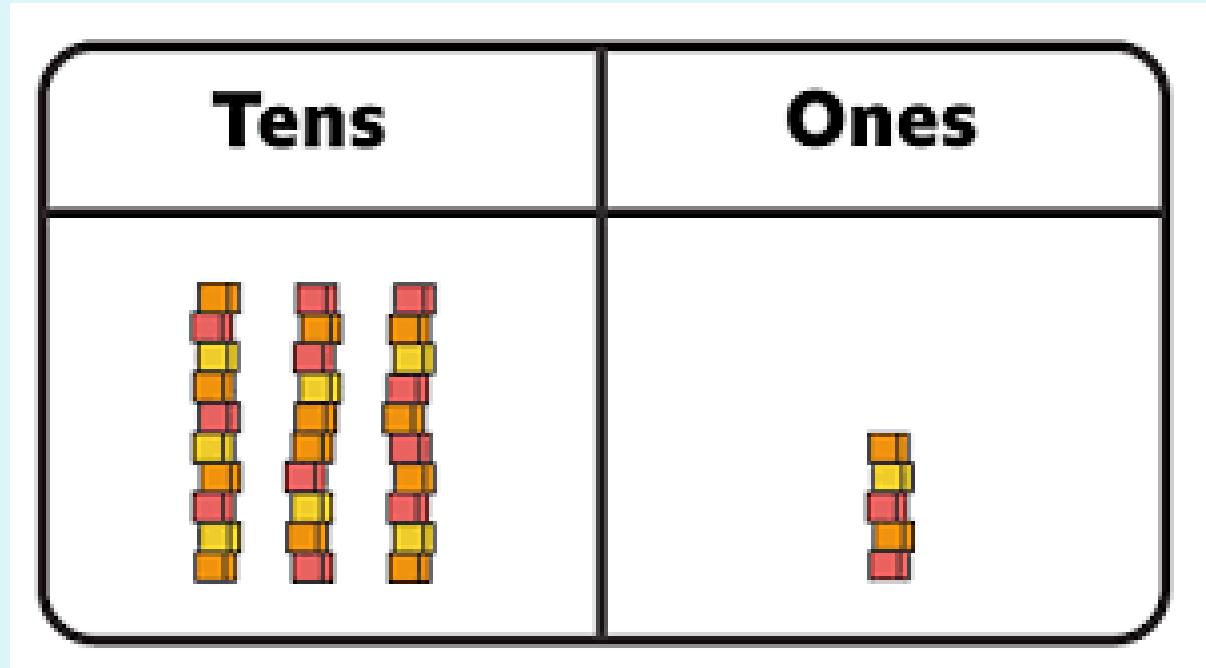


15.09.25

LQ: *Can I partition a number in tens and ones?*

Today we are going to partition numbers into tens and ones.

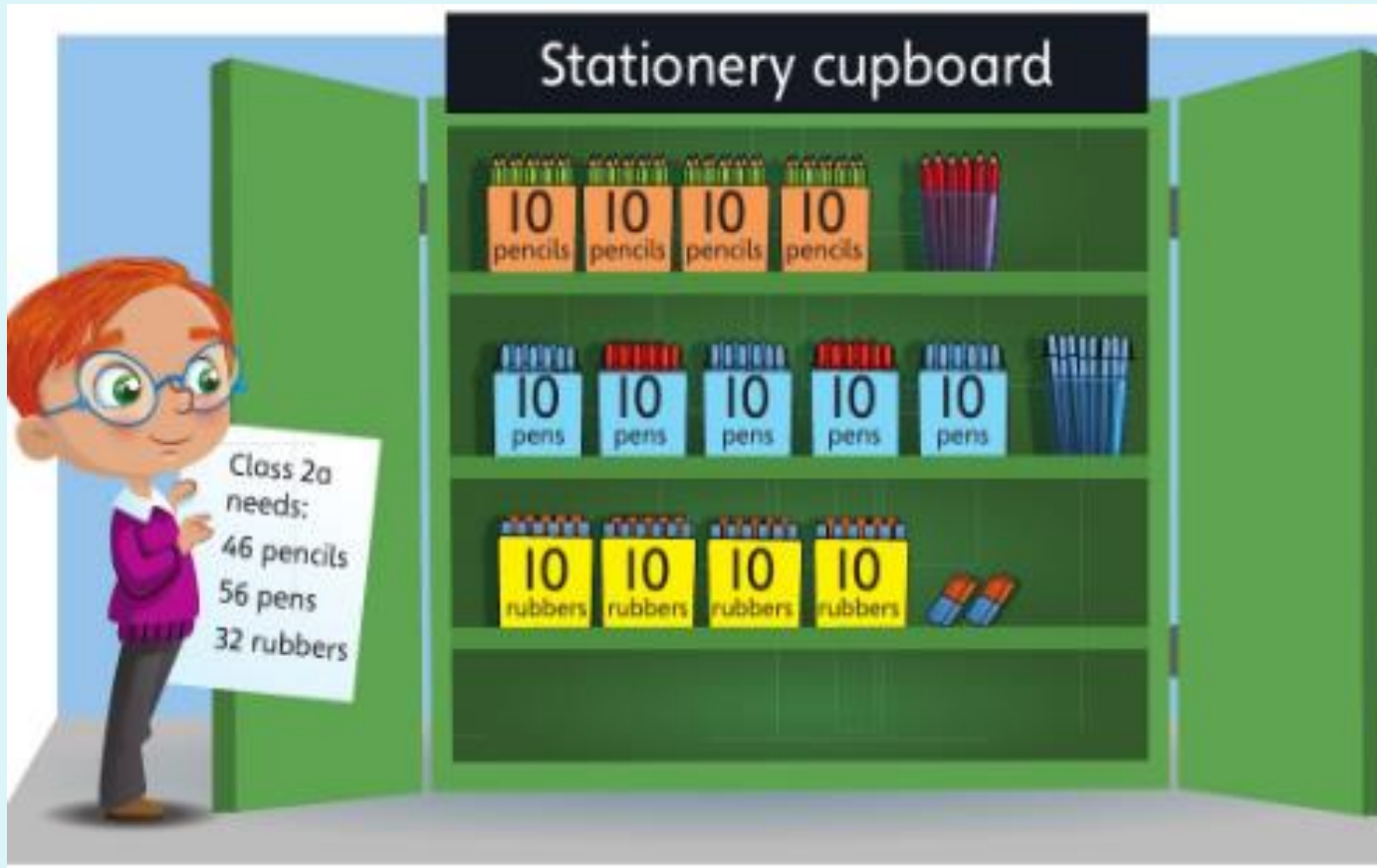
Partitioning means splitting numbers into smaller parts to make them easier to work with.



15.09.25

LQ: *Can I partition a number in tens and ones?*

Simon needs 46 pencils.



TP - How many tens does he need?

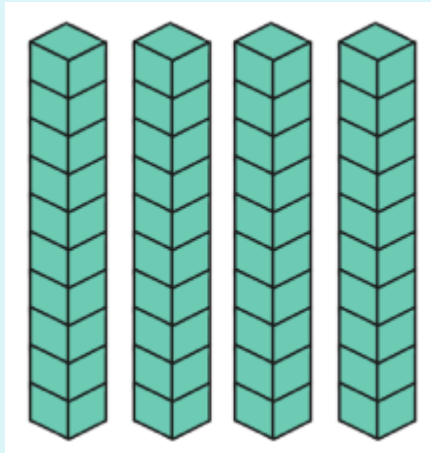
How many ones does he need?

15.09.25

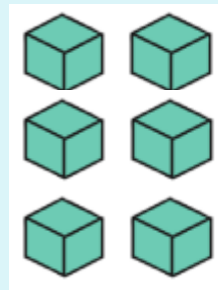
LQ: Can I partition a number in tens and ones?

Lets use the dienes to partition 46 into tens and ones.

46



4 tens



6 ones

Remember 4 tens makes
40 and 6 ones makes 6.

Self assessment

Do you understand how to count
by grouping the objects?



15.09.25

LQ: *Can I partition a number in tens and ones?*

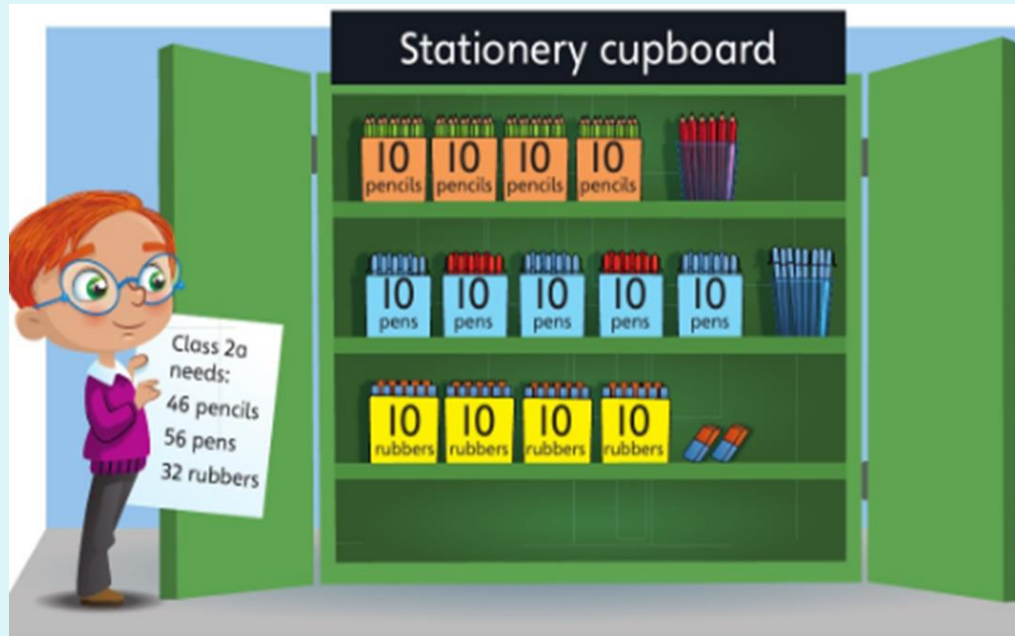
Molly needs 31 pens.

How many tens does she need?

How many ones does she need?

Explain how you know?

We are going to work as a whole class to partition 31 using dienes.



Simon needs 56 pens.

How many tens does he need?

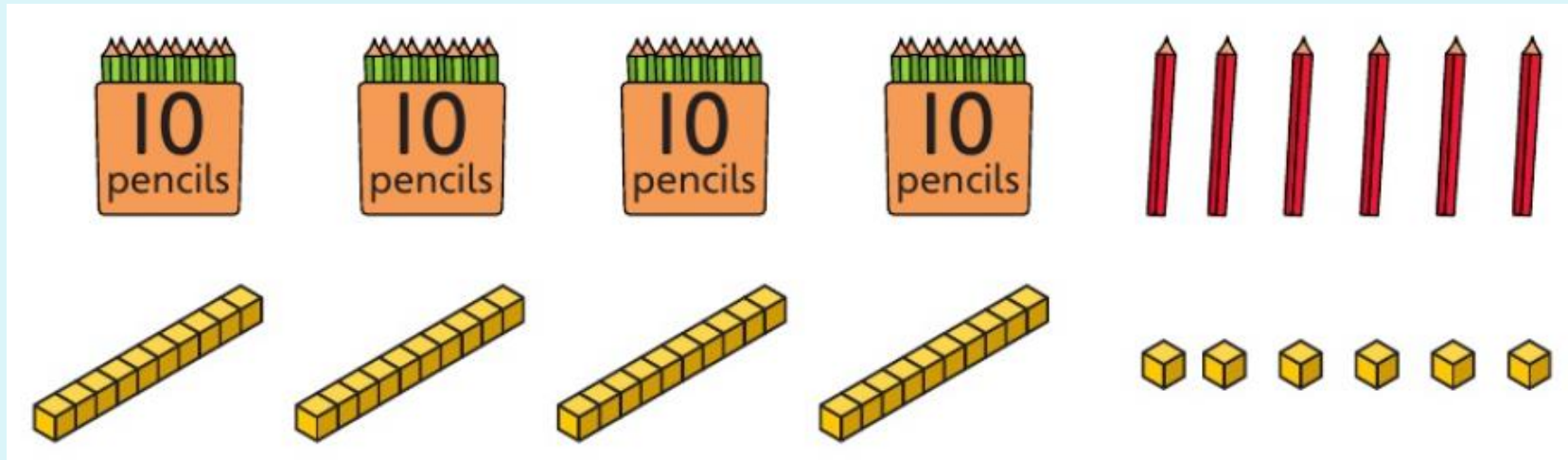
How many ones does he need?

Show me.

15.09.25

LQ: Can I partition a number in tens and ones?

Look at the representation.



TPs: How many *tens* and how many *ones*?

What is the whole number?

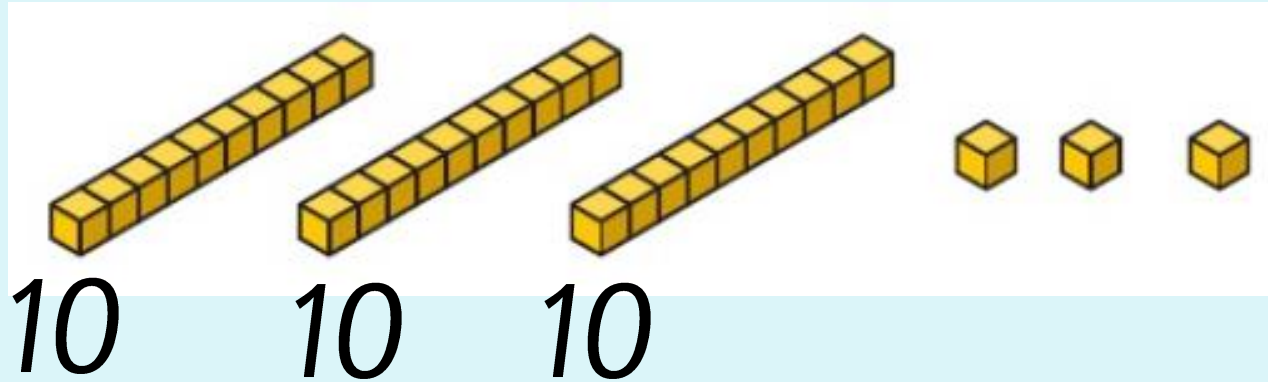
There are _____ tens and _____ ones.

The whole number is _____.

15.09.25

LQ: Can I partition a number in tens and ones?

Miss Janoo said the whole number is 30.



TPs: Do you agree? Prove it.

Yes, I agree because...

No, I disagree because...

15.09.25

LQ: Can I partition a number in tens and ones?


Simon says he needs 56.



TPs: How many **tens** does he need?

How many **ones** does he need?

56 is tens and ones.

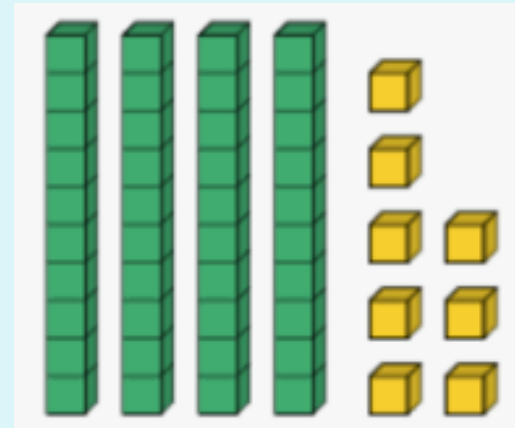
Simon needs  .

He needs  .

LQ: *Can I partition a number in tens and ones?*

Task

Choose a number card and use the dienes to partition them into tens and ones.

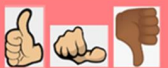


Explain your learning using the stem sentence.

I partitioned the _____ into _____ tens and _____ ones.

Self assessment

Do you understand what to do?



Tuesday 16th September 2025

16.09.25

Mental Maths

We are going to count forwards and backwards in tens.

Let's count in tens forwards

Counting in 10s

0	10	20		40		70		10	0		
	10			50	60		80		10	0	
0		20		40		60		80		10	0
	10		30		50		70		90		
0										10	0

Let's count in tens backwards



LQ: Can I partition a number in tens and ones?



Steps to Success:

I can identify the tens and ones within a number.

I understand the value of each digit within a number.

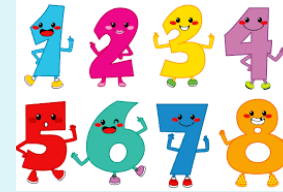
I can represent a number using pictures.

STAR WORDS

numbers



counting on



Counting forwards

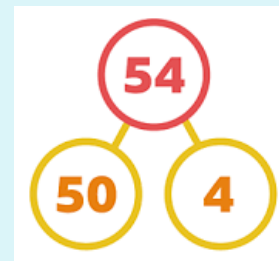


tens



ones

partition



16.09.25

LQ: Can I partition a number in tens and ones?

Yesterday we partitioned numbers into tens and ones.

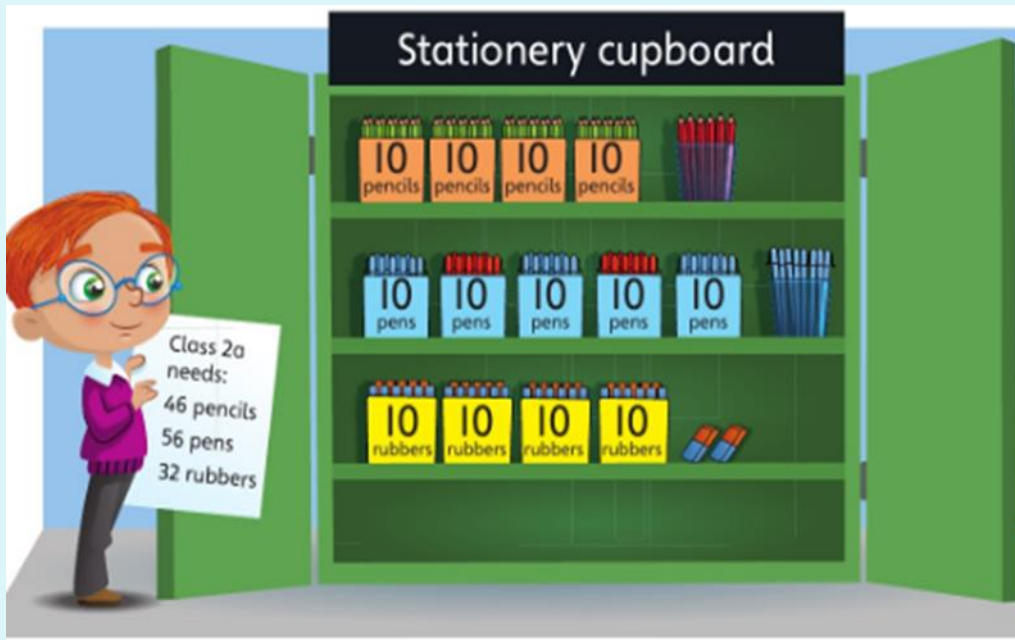
Today we are continuing with partitioning.

TP - Do you remember what the numbers on the boxes represent?

Simon needed 46 pens.

How did you know how many boxes of 10 would be needed?

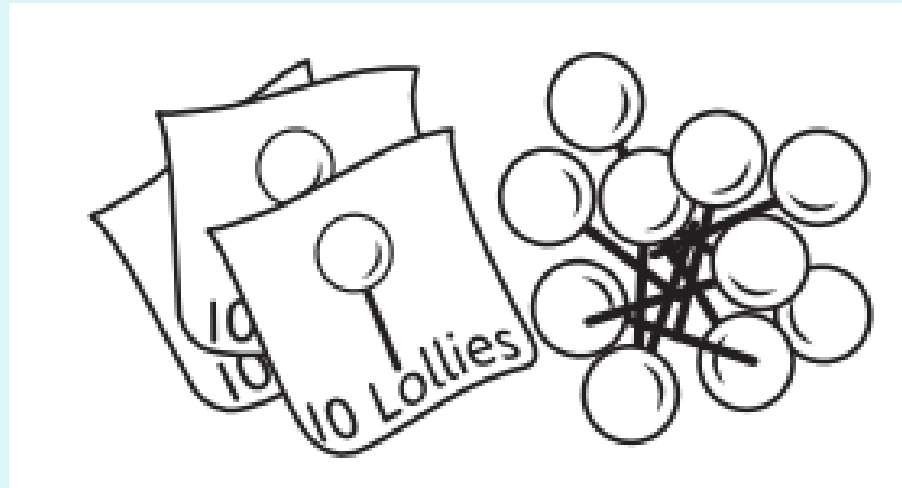
How did you know how many ones would be needed?



16.09.25

LQ: Can I partition a number in tens and ones?

Tariq needs 29 lollies.



TP- How can you work out how many tens and how many ones he will need?

Self assessment

*Do you understand how to count
by grouping the objects?*



16.09.25

LQ: Can I partition a number in tens and ones?

I want you to explain to your TP what the tall dienes represent.

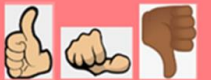
The tall diene
represents...

This is number 72

How many tens? How many ones? Prove it!

Self assessment

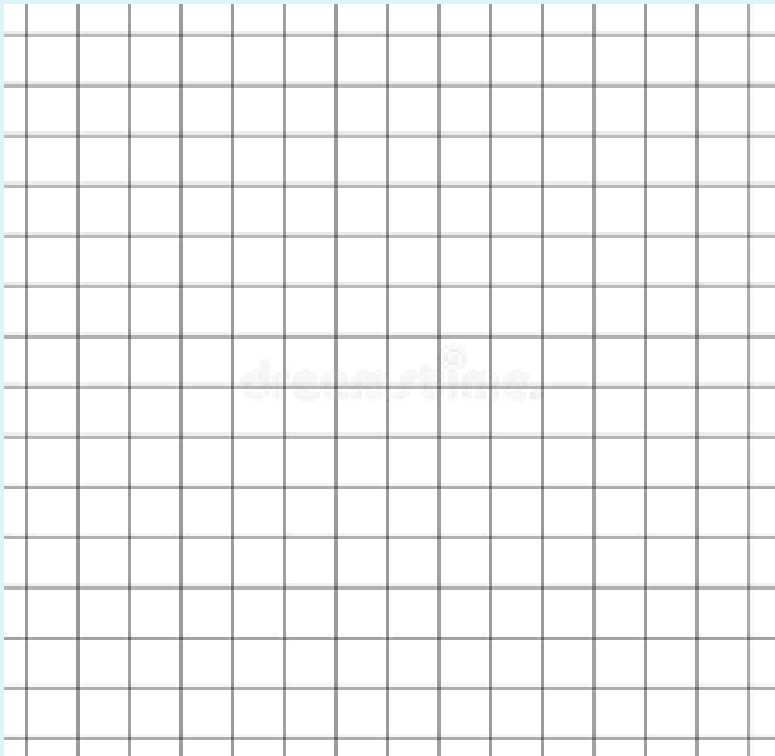
Do you understand the difference
between the dienes?



16.09.25

LQ: Can I partition a number in tens and ones?

Last week we drew towers of dienes in our book. Today we are going to use the squares to help us count 10 dienes to make one ten.



I am going to show you how to draw tens and ones to partition 72.

16.09.25

LQ: Can I partition a number in tens and ones?

Choose a number card.

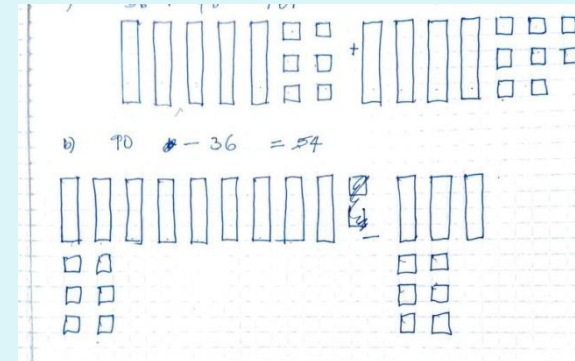


Lets practise partitioning different numbers in tens and ones by drawing the towers of ten and ones.

How many tens?

How many ones?

Write it down next to your picture.



16.09.25

LQ: Can I partition a number in tens and ones?

Task

Use the star words to help you explain your answers:

★ counting on, forwards, backwards, tens, ones, partition ★

1.

Draw your representations by partitioning these numbers in tens and ones:

28 37 43 48

Example: 34



"34 is 3 tens and 4 ones.

3 tens are the same as 30."

Sentence Stem:

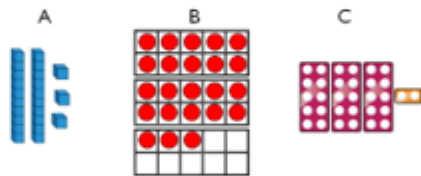
"__ is __ tens and __ ones.

__ tens are the same as __"

2.

One of these images **does not** show 23.

Can you explain the mistake?



Sentence Stem:

"__ does not show 23

because..."

3.

Asif has made a number. What number has he made?



Can you think of different ways to make this number using tens and ones?

★ counting on, forwards, backwards, tens, ones, partition ★

"__ is __ tens and __ ones."

"__ is __ tens and __ ones."

"__ is __ tens and __ ones."

Self assessment

Do you understand what to do?

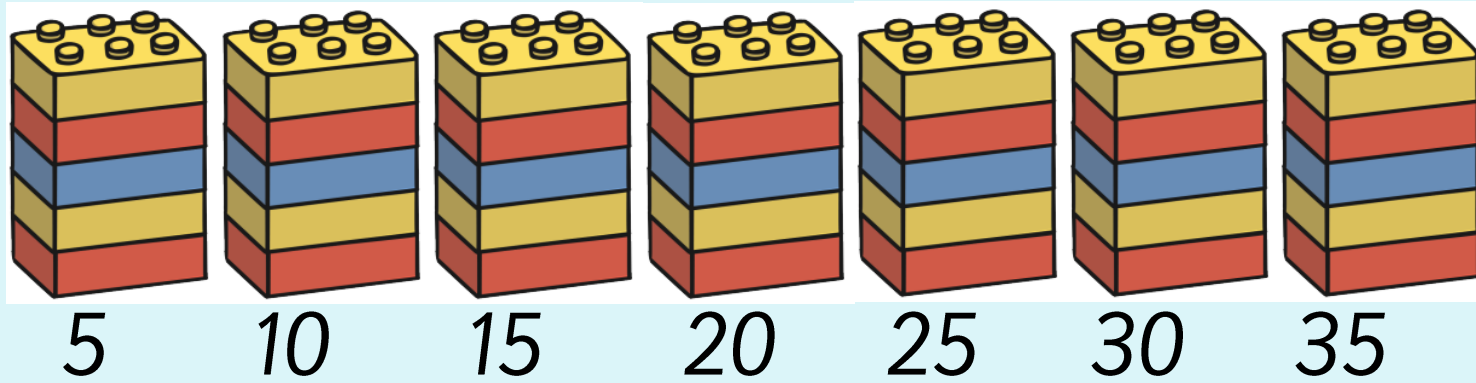


Wednesday 17th September 2025

17.09.25

Mental Maths

Lets count in 5s.



Which numbers are shown?

Which 5 number will come next?

Do you notice a pattern when counting in 5's?



LQ: Can I partition a number in tens and ones?



Steps to Success:

I can partition a number in tens and ones.

I can write a number sentence.

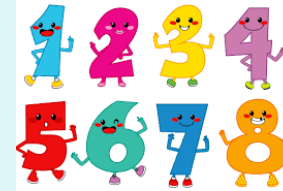
I can record the digits correctly.

STAR WORDS

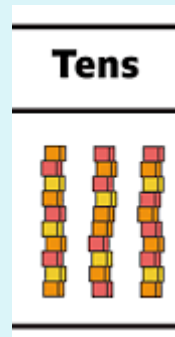
numbers



counting on



Counting forwards

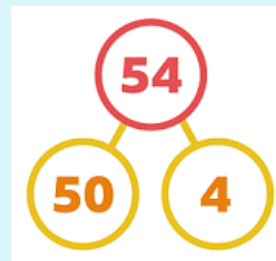


tens



ones

partition

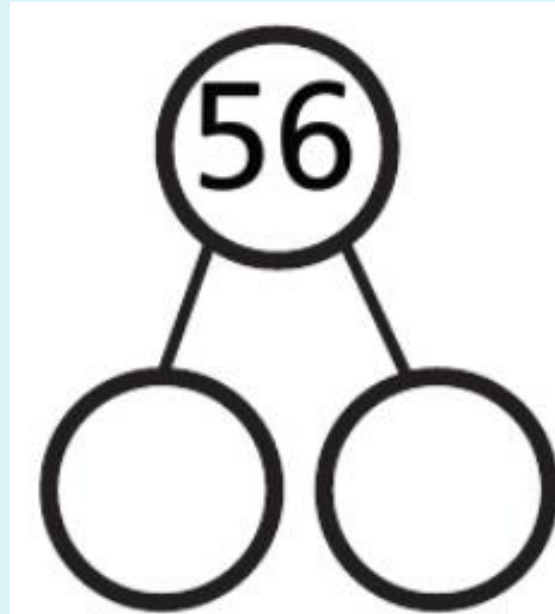


17.09.25

LQ: Can I partition a number in tens and ones?

TP- What is this called?

What do we use it for?



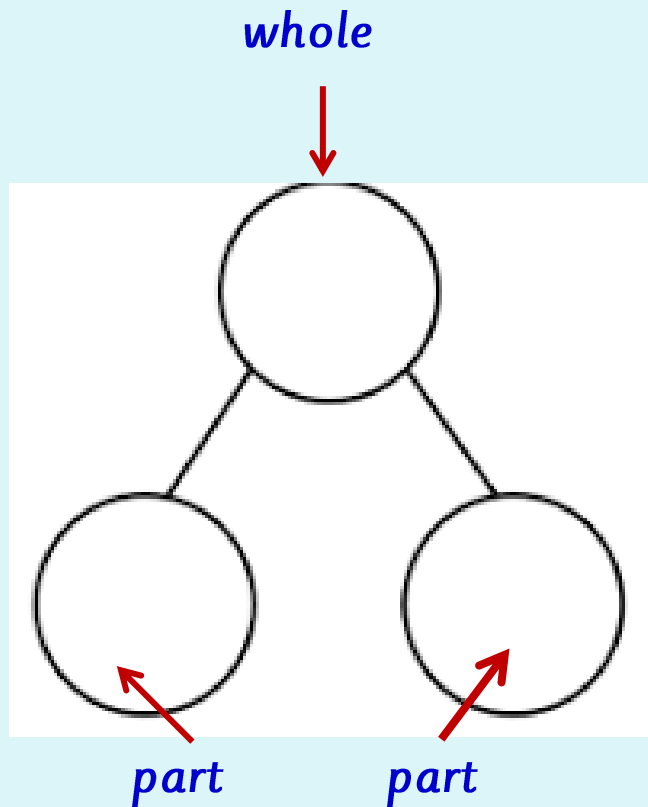
This is another way of partitioning a number.

It helps us break up a whole amount into smaller parts.

17.09.25

LQ: Can I partition a number in tens and ones?

Lets look at the number 56.



TP – How can you partition this number using the part whole model?

It has 5 tens. Does the 5 represent 5 or something else?

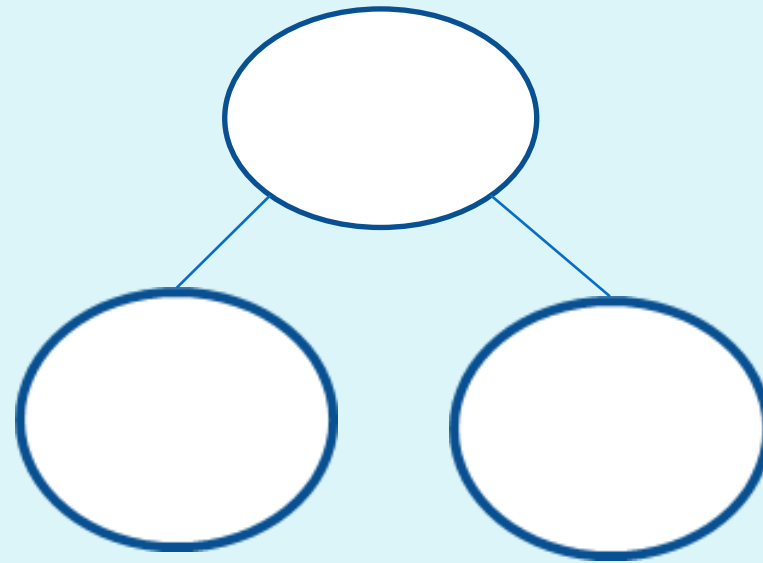
Remember 5 tens is the same as 50.

17.09.25

LQ: Can I partition a number in tens and ones?

I will write 56 in the 'whole'.

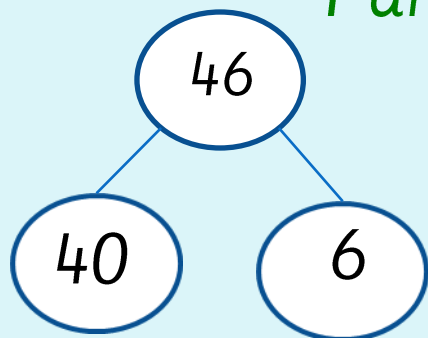
I am going to write 50 in this part. What is left over? I'm going to write it in this part.



Now I will write this as a number sentence.

$$56 = 50 + 6$$

TP - What do you need to change to make 46?
Partition the number on your board.



What is the same?
What is different?

Self assessment

Do you understand what the part-whole model is?



17.09.25

LQ: *Can I partition a number in tens and ones?*

On your board draw the tens and ones table.

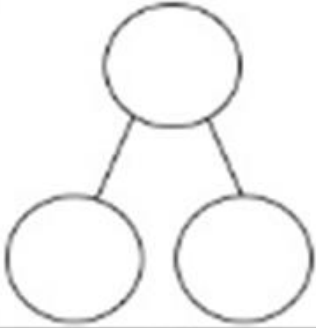
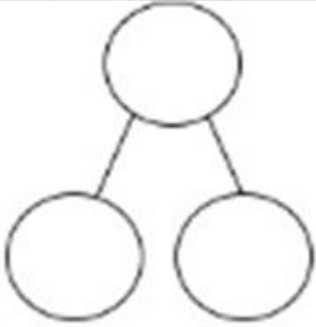
Now draw the part whole model.

How many tens in 23?

How many ones in 23?

Write it in the table.

Write 23 in the whole circle.

<table border="1"><thead><tr><th>Tens</th><th>Ones</th></tr></thead><tbody><tr><td></td><td></td></tr></tbody></table>	Tens	Ones				$\underline{\quad} = \underline{\quad} + \underline{\quad}$
Tens	Ones					
<table border="1"><thead><tr><th>Tens</th><th>Ones</th></tr></thead><tbody><tr><td></td><td></td></tr></tbody></table>	Tens	Ones				$\underline{\quad} = \underline{\quad} + \underline{\quad}$
Tens	Ones					

What is 2 tens? Count in tens. Write it in the place value frame in the tens part.

What is left over? Write it in the ones part. Let's write the number sentence.

17.09.25

LQ: Can I partition a number in tens and ones?

Task

★ counting on, tens, ones, partition, dienes ★

1.

Draw part whole model to partition these numbers. Then write the number sentence to match.

13, 27, 30, 42



2.

Do both place value charts show the same value.

A	<table border="1"><thead><tr><th>Tens</th><th>Ones</th></tr></thead><tbody><tr><td></td><td></td></tr></tbody></table>	Tens	Ones		
Tens	Ones				
B	<table border="1"><thead><tr><th>Tens</th><th>Ones</th></tr></thead><tbody><tr><td></td><td></td></tr></tbody></table>	Tens	Ones		
Tens	Ones				

What is the same?
What is different?

Sentence Stem:

They are the same because...

They are different because...

3.

What would the next number in the pattern be?

$$1 \text{ ten} + 3 \text{ ones} = 13$$

$$2 \text{ tens} + \underline{\quad} \text{ ones} = 23$$

$$3 \text{ tens} + 3 \text{ ones} = \underline{\quad}$$

$$\underline{\quad} \text{ tens} + 3 \text{ ones} = 43$$

Write it in your book and fill in the missing numbers.

Self assessment

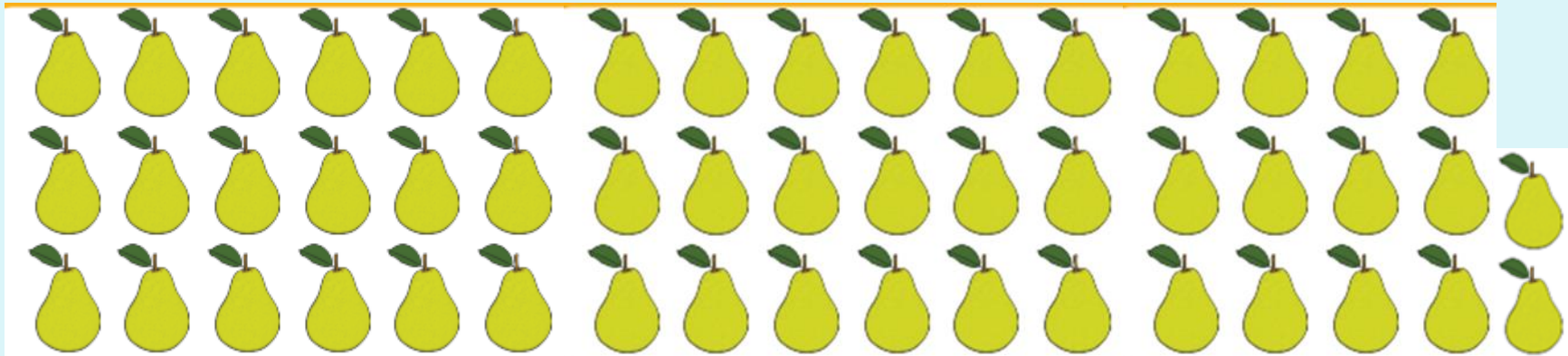
Do you understand what to do?



Thursday 18th September 2025

Mental Maths

Lets count in 2's





LQ: Can I order numbers from least to most?

Steps to Success:

I can identify the smallest number.

I can identify the largest number.

I can order a set of numbers and double check using resources.



STAR WORDS

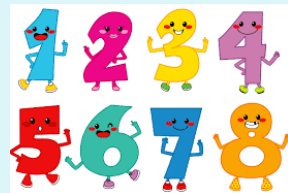
numbers



least/fewer

most/greater

counting on



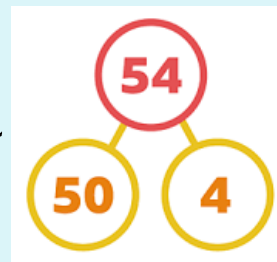
tens



ones



partition



forwards

18.09.25

LQ: *Can I order numbers from least to most?*

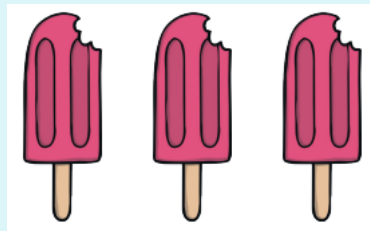
TP- What do these words mean?

least

most

TP - Are there other words that mean the same thing?

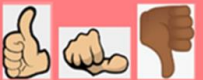
Least means the smallest amount.



Most means the largest amount.



Self assessment

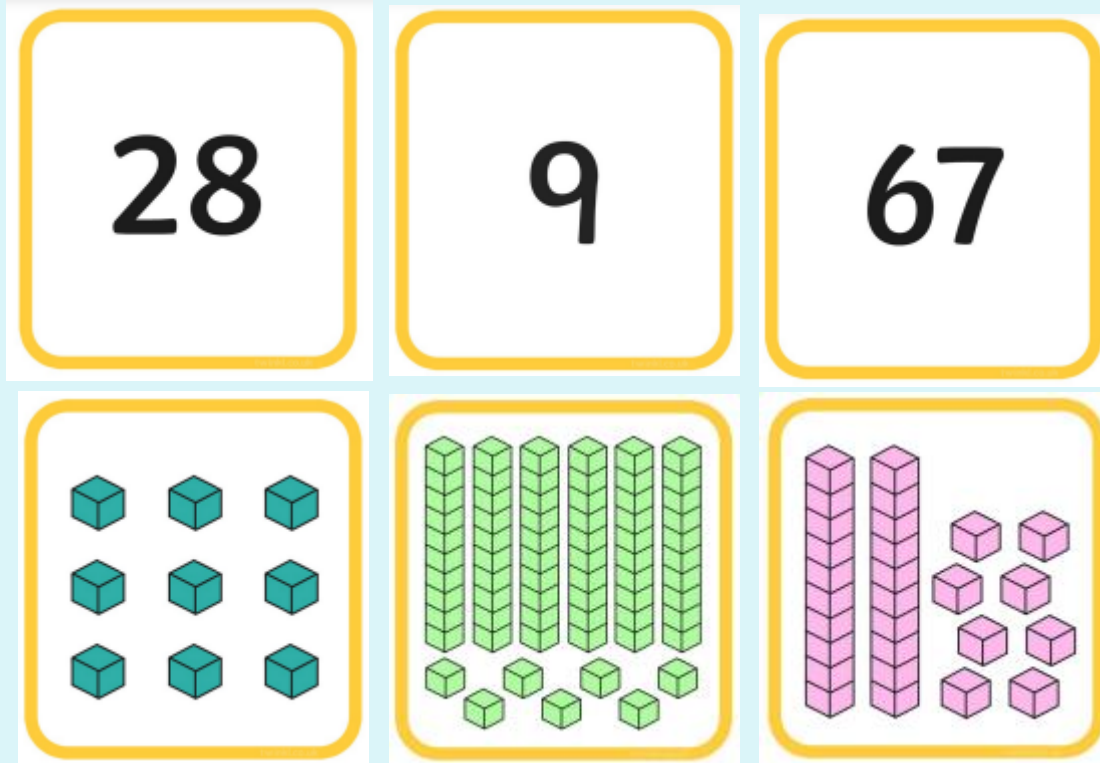


Do you understand the difference between least and most?

18.09.25

LQ: *Can I order numbers from least to most?*

Today we are going to order numbers from least to most.



What number card has the most matching dienes?

What number card has the least matching dienes?

By looking at the tens digit and the ones digit, we can work out **least** and **most**.

Lets match the dienes to the correct number.

18.09.25

LQ: *Can I order numbers from least to most?*

We are going to use the number cards to order them from least to most.



TP- What card do I need to order first? Why?

What card comes next? Why?

- Lets choose 4 number cards and order them from least to most.*
- Now write the numbers in order.*
- Label **least** for the smallest amount and **most** for the largest amount.*

Order 4 different cards from least to most.

*Now order the same cards from **most** to **least** and write the numbers in order.*

18.09.25

LQ: Can I order numbers from least to most?

Order these numbers from **least to most**.



TPs: Which jar contains the fewest (smallest)?

Tens	Ones	Tens	Ones	Tens	Ones
6	7	3	1	6	3

Find the greatest number of buttons.

Using the same numbers, copy and complete to write the numbers in order.

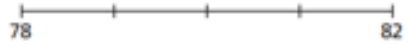
Greatest		Smallest		
<input type="text"/>	>	<input type="text"/>	>	<input type="text"/>
Smallest		Greatest		
<input type="text"/>	<	<input type="text"/>	<	<input type="text"/>

18.09.25

LQ: Can I order numbers from least to most?

Task

★ order, least, most, smallest, largest, tens, ones ★

<p>1.</p> <p>Choose 4 number cards, order them from least to most and then write the numbers in your book.</p> <div style="display: flex; justify-content: space-around; align-items: center;"><div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center;">0</div><div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center;">1</div><div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center;">2</div><div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center;">3</div></div> <p style="display: flex; justify-content: space-between; width: 100%;">leastmost</p> <p>Repeat this with 4 different number cards.</p>	<p>2.</p> <p>Order the numbers below. Which would be the fourth number?</p> <div style="display: flex; justify-content: space-around; align-items: center;"><div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center;">33</div><div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center;">53</div><div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center;">37</div></div> <div style="display: flex; justify-content: space-around; align-items: center;"><div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center;">29</div><div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center;">34</div><div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center;">43</div></div> <p>Explain your answer.</p> <p><u>Sentence Starter</u> "The fourth number would be ..."</p>	<p>3.</p> <p>Copy the number track and find the three different numbers that go in the gap.</p> <div style="text-align: center;"><p>78 _____ 82</p></div> <p>What is the smallest number that will go in the gap?</p>
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18.09.25

LQ— Can I order numbers from least to most?

We worked as a group to choose number card and ordered them from least to most. Then we wrote the numbers on whiteboards.



Adult to take photos of children to stick in books and scribe what they say.

Self assessment



Do you understand what to do?

Friday 19th September 2025

Jeans for Genes Day