Maths

Number and Place Value

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

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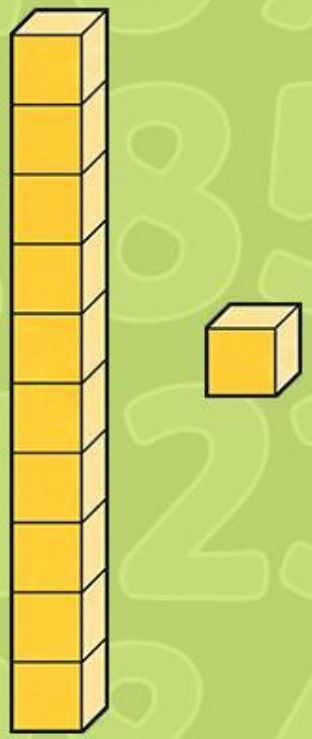
Tens and Ones



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Aim

- To say what each digit in a two-digit number represents.

Success Criteria

- I can identify the place value of each digit in a two-digit number.
- I can say what each digit represents in a two-digit number.
- I can read two-digit numbers.

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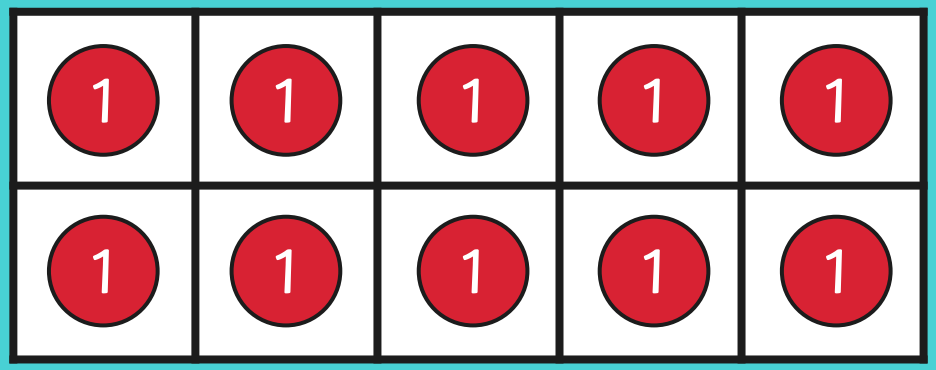
Remember It

Using the understanding that 10 ones equal 1 ten,
what number is shown below?



10

10 ones is equal to 1 ten.

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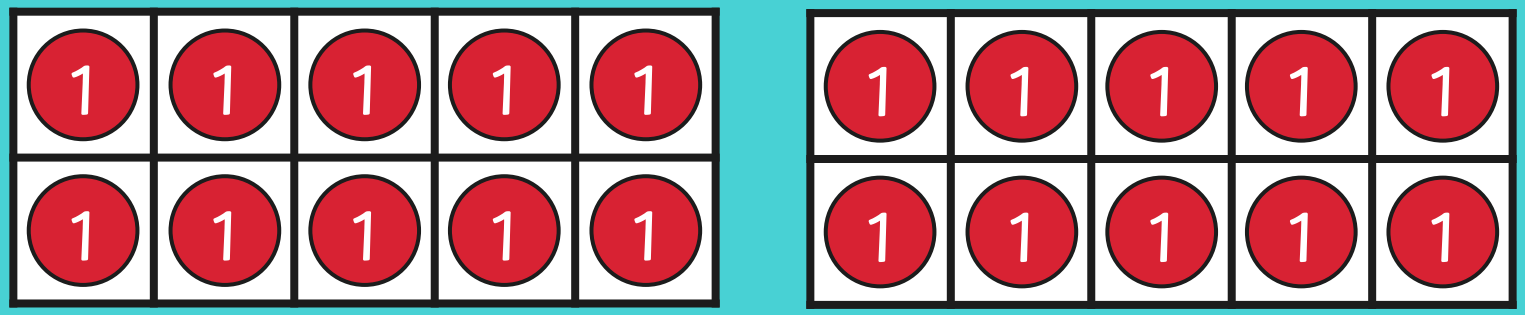
Remember It

Using the understanding that 10 ones equal 1 ten,
what number is shown below?



20

10 ones is equal to 1 ten.
2 groups of ten equal 20.

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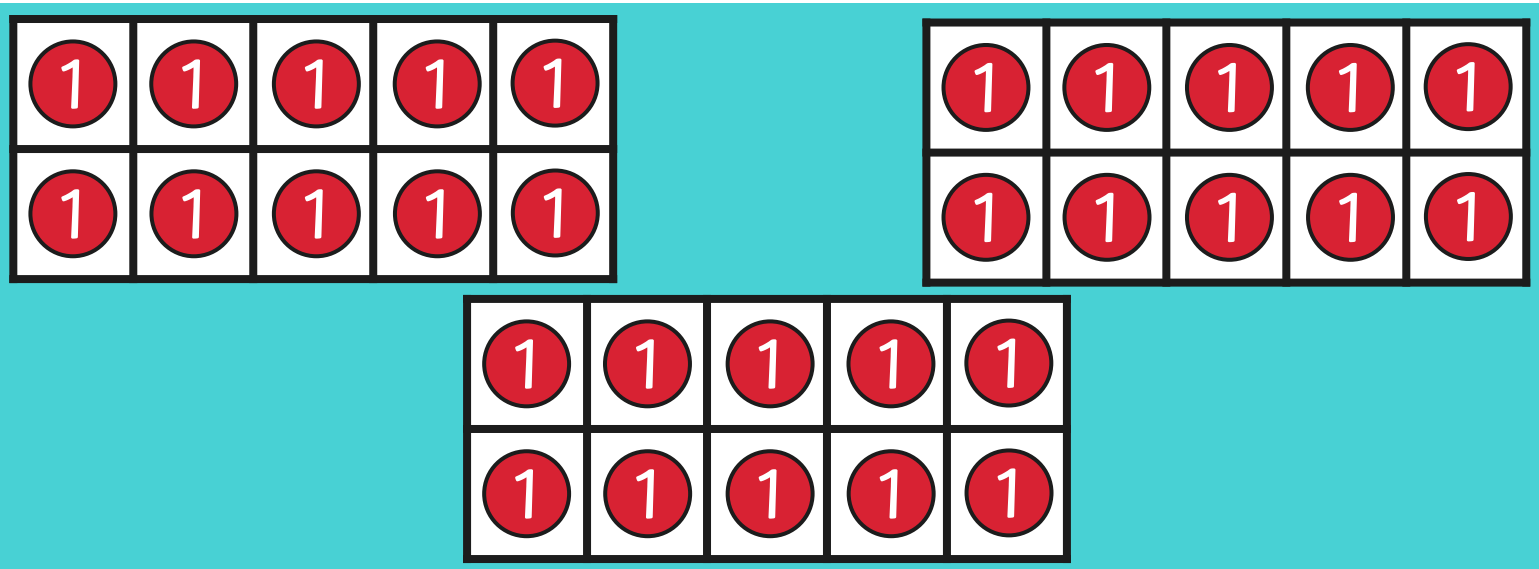
Remember It

Using the understanding that 10 ones equal 1 ten,
what number is shown below?



30

10 ones is equal to 1 ten.
3 groups of ten equal 30.

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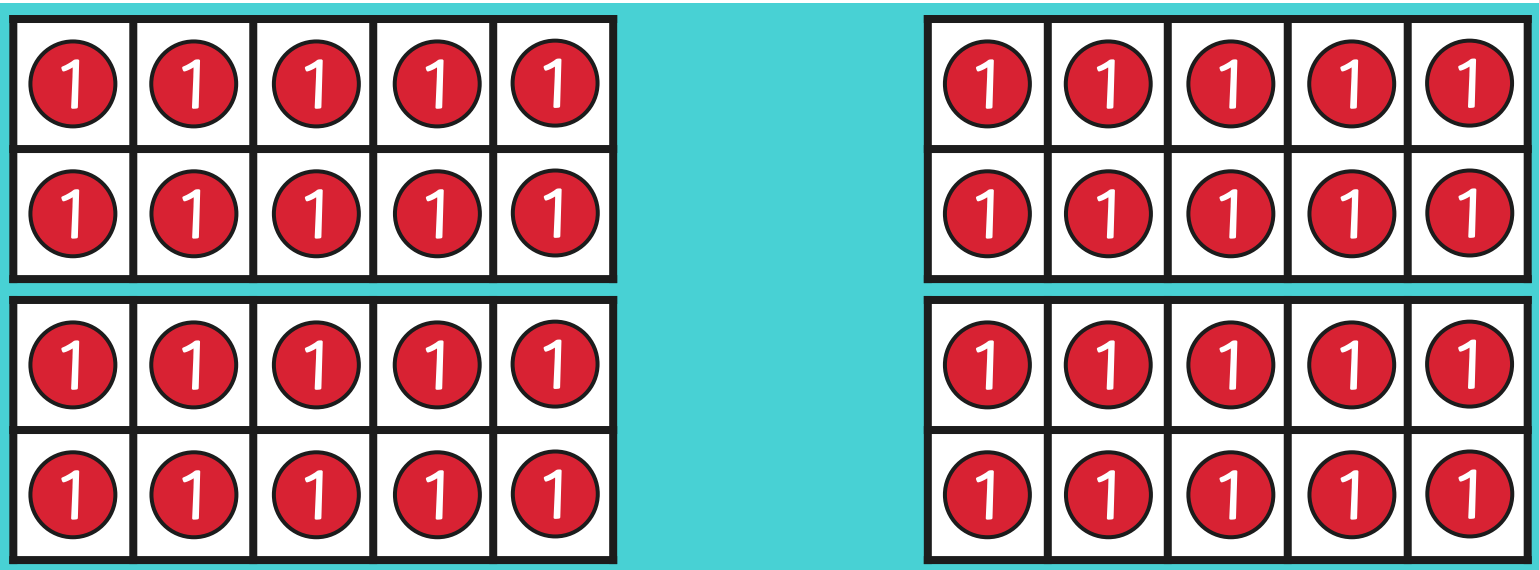
Remember It

Using the understanding that 10 ones equal 1 ten,
what number is shown below?



40

10 ones is equal to 1 ten.
4 groups of ten equal 40.

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Place Value

What do you know about this number?

Tens	Ones
	2

- This is the number 2.
- It is a one-digit number.
- There are 2 ones in the ones column.

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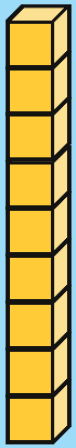
Place Value

What do you know about this number?

Tens	Ones
	9



- This is the number 9.
- It is a one-digit number.
- There are 9 ones in the ones column.

What number comes next? What happens to the ones column then?

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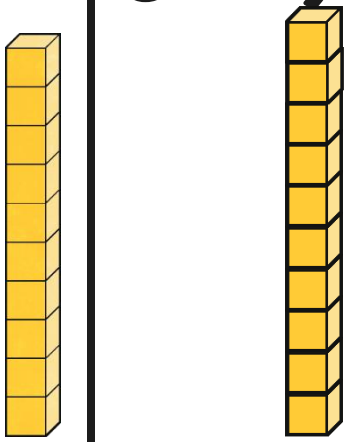
Place Value

10 comes next. You can only fit 9 ones in the ones column.

Now that we have 10 ones, we must exchange them for 1 ten.

tens	ones
1	0 9



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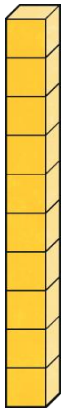
Place Value

Whole Class

What do you know about this number?

This is the number 10. It is a two-digit number.
Each of the digits has a different value.

tens	ones
1	0



This is the tens digit. It is in the tens column. This shows that there is 1 ten.

This is the ones digit. It is in the ones column. This shows that there are 0 ones.

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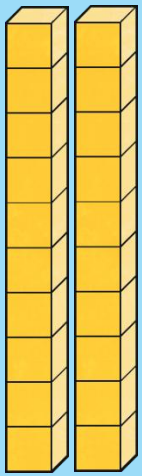
Place Value

What happens as we count from 1 to 20?

Tens	Ones
1	9



Can you see a pattern? Explain it to your partner.

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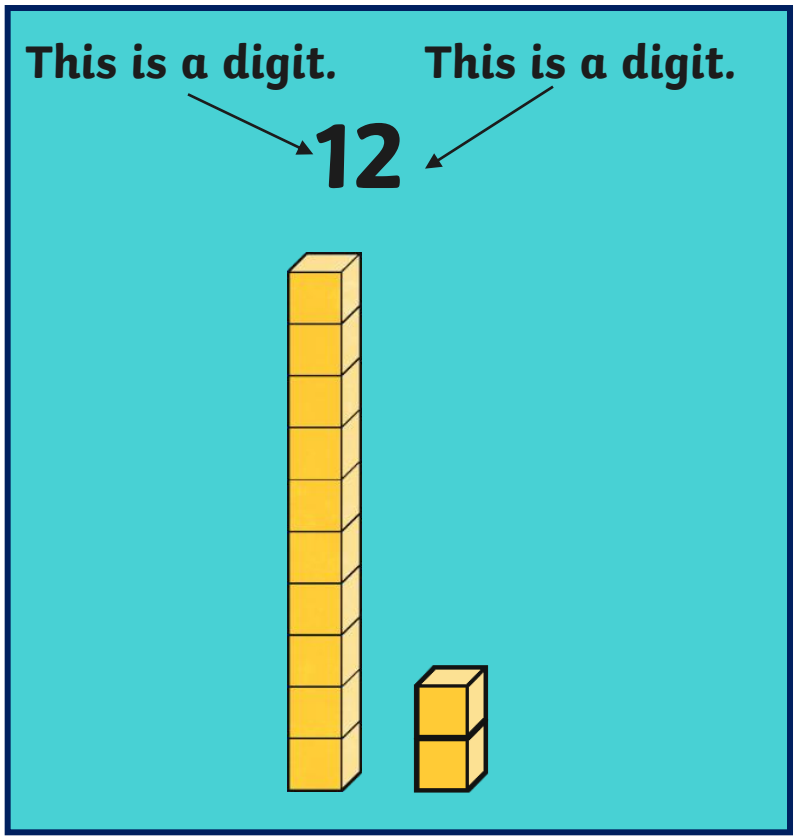
Place Value

Whole Class

What do you know about this number?



- This is the number 12.
- It is a two-digit number.
- Each of the digits has a different value.

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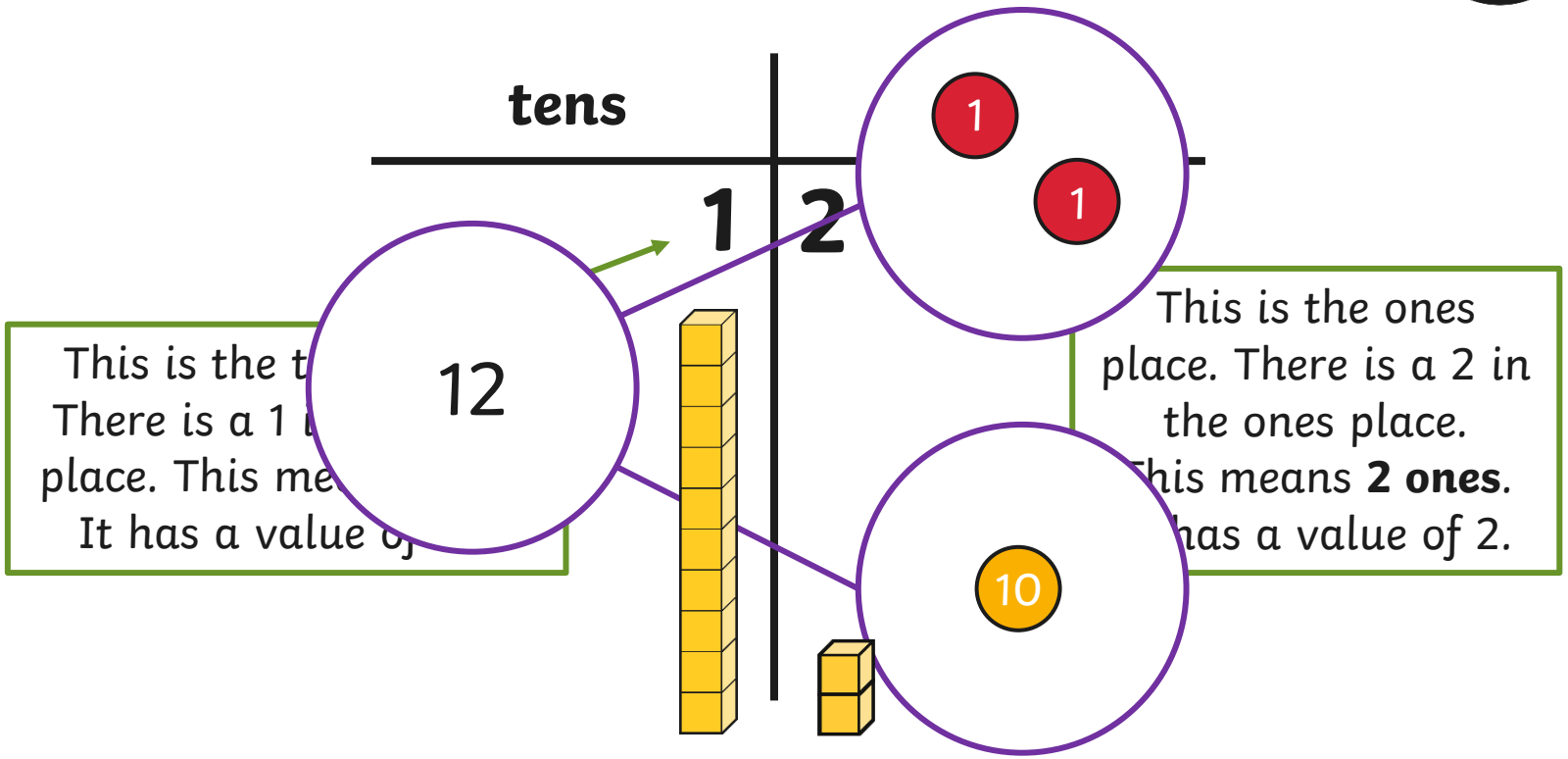
Place Value



This is the number 12. The 1 shows we have 1 group of ten.
The 2 shows we have 2 extra ones.

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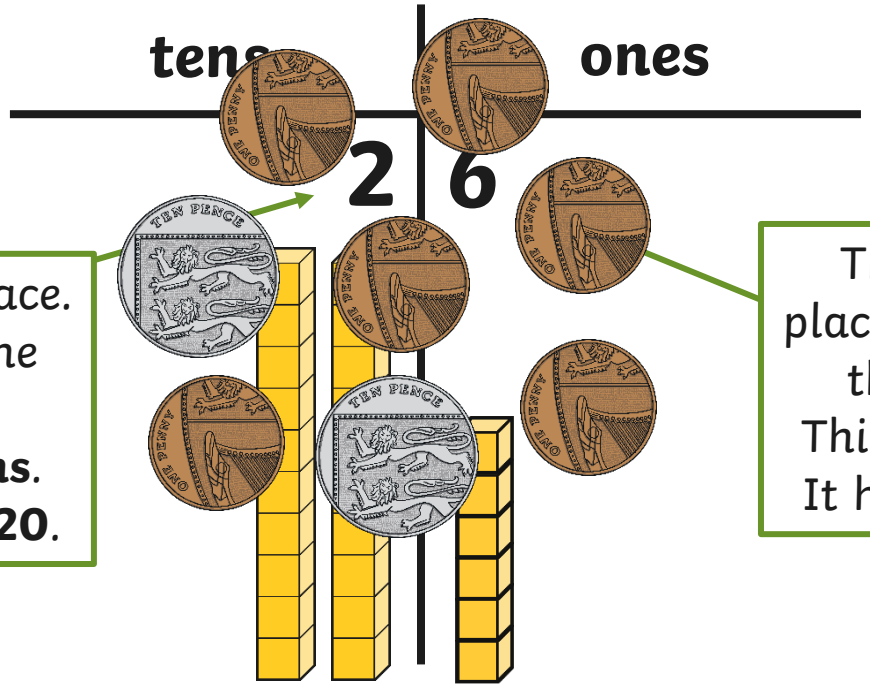
Place Value

Whole Class

What do you know about this number?



This is the tens place. There is a 2 in the tens place. This means **2 tens**. It has a value of **20**.

This is the ones place. There is a 6 in the ones place. This means **6 ones**. It has a value of 6.

This is the number 26. The 2 shows we have 2 groups of ten. The 6 shows we have 2 extra ones.

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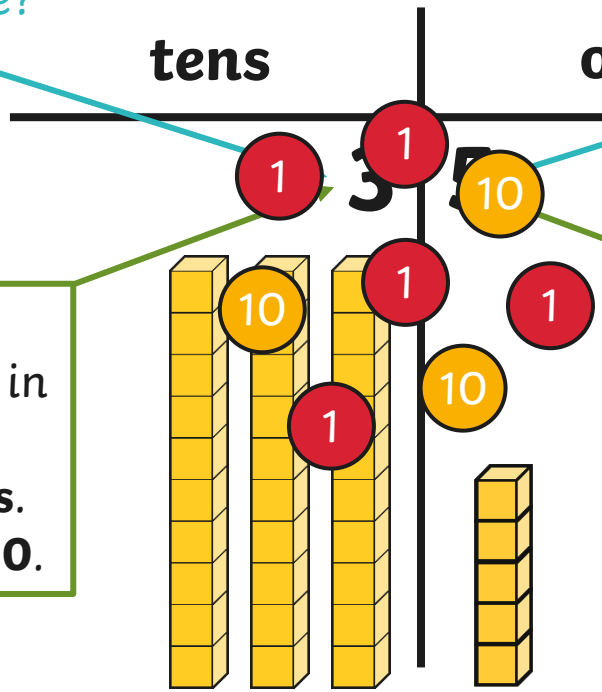
Place Value

Whole Class

What is the place?
What is the value?

What is the place?
What is the value?



This is the tens place. There is a 3 in the tens place. This means **3 tens**. It has a value of **30**.

This is the ones place. There is a 5 in the ones place. This means **5 ones**. It has a value of 5.

This is the number 35. The 3 shows we have 3 groups of ten. The 5 shows we have 2 extra ones.

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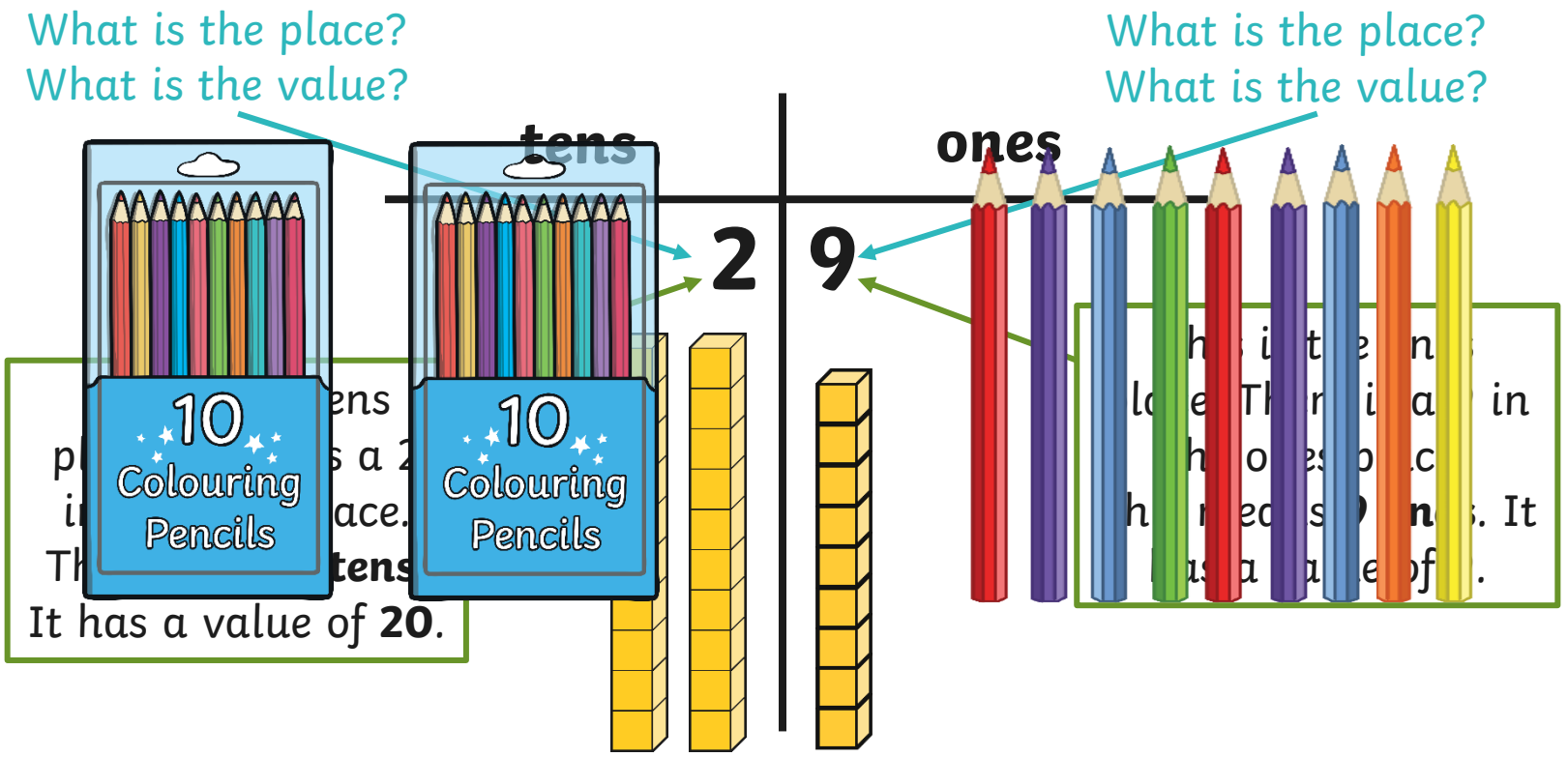
Place Value

Whole Class



This is the number 29. The 2 shows we have 2 groups of ten.
The 9 shows we have 9 extra ones.

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Place Value

Whole Class

What is the place?
What is the value?

What is the place?
What is the value?

41

40

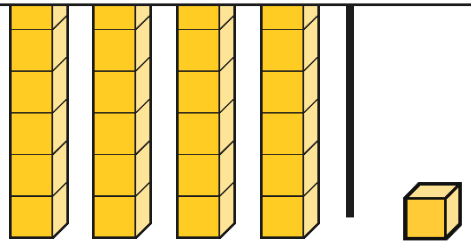
1

Th
plac
in t
This means **4 tens**.
It has a value
of **40**.

in

s.

It has a value of 1.



This is the number 41. The 4 shows we have 4 groups of ten.
The 1 shows we have 1 extra one.

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Place Value

Whole Class

Can you make these numbers with your equipment?

Which number has a 5 in the tens place and a 3 in the ones place?

53

Tens	Ones
● ● ●	● ●

Which number has a 2 in the tens place and a 6 in the ones place?

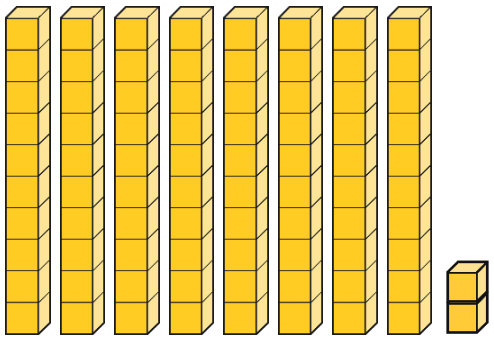
26

10 10

1 1 1 1 1 1

Which number has an 8 in the tens place a 2 in the ones place?

82



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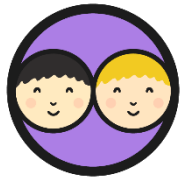
Tens and Ones Activities



Tens and Ones

To say what each digit in a two-digit number represents.

Complete the table. Use resources to help you.

Number	Value of Tens	Value of Ones	Part-Whole Model
56	50	6	56 (50, 6)
	20	7	
			42 (40,)
61			
	70		
			(50, 1)
33			

Tens and Ones

t each digit in a two-digit number represents.

e resources to help you.

Value of Tens	Value of Ones	Part-Whole Model
50	6	56 (50, 6)

Tens and Ones

t each digit in a two-digit number represents.

e resources to help you.

Value of Tens	Value of Ones

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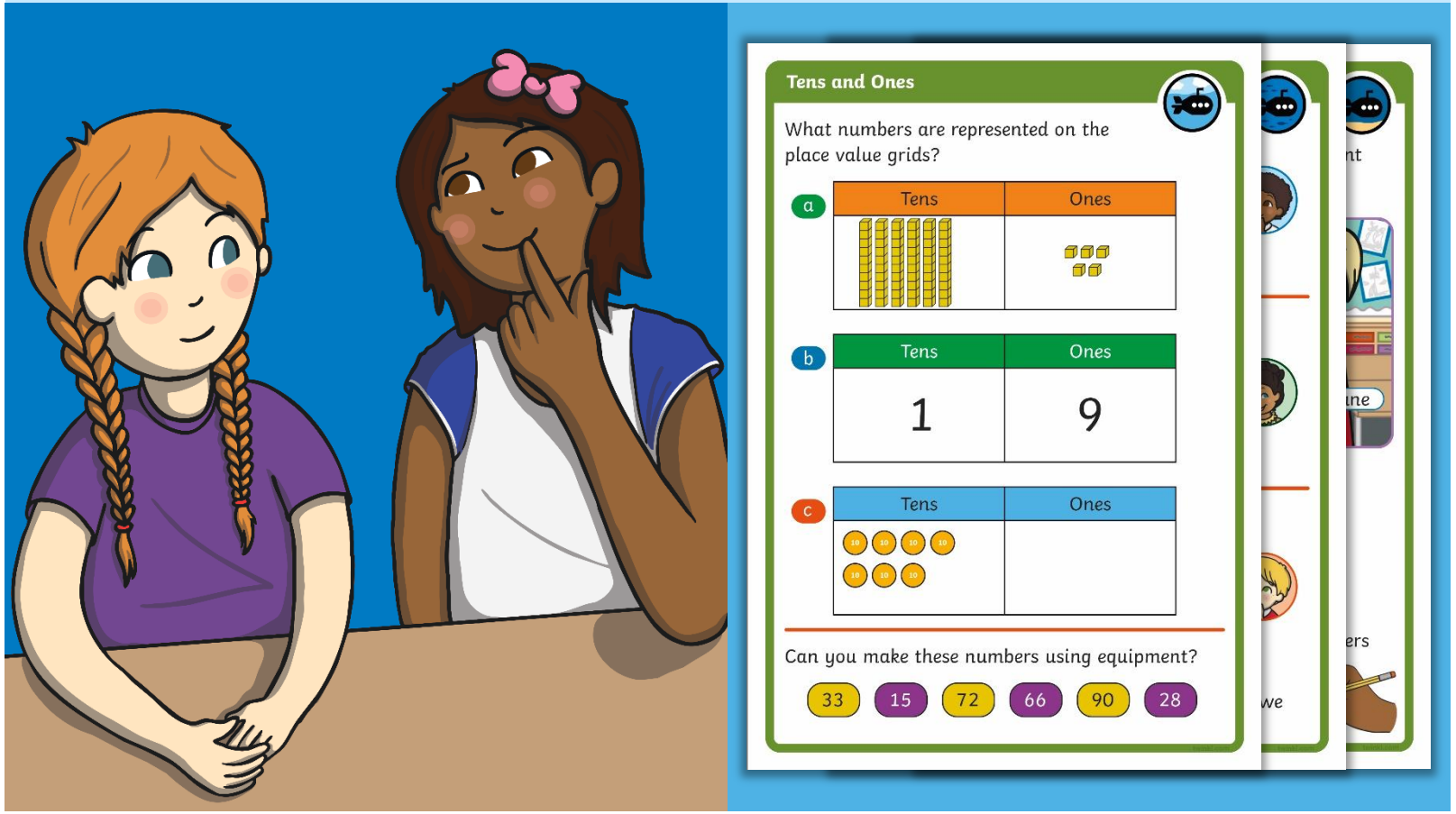
Diving into Mastery

Dive in by completing your own activity!



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Show Me

Show me a number that has...

- a 9 in the ones place
- four tens and two ones
- a 6 in the tens place
- two digits
- a 3 in the tens place
- one digit
- seven tens and five ones

Can you explain your answer? Is there more than one way to make these numbers? Explain why.

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Aim

- To say what each digit in a two-digit number represents.

Success Criteria

- I can identify the place value of each digit in a two-digit number.
- I can say what each digit represents in a two-digit number.
- I can read two-digit numbers.

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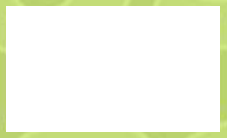

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