

Unit 1

Place value within 1,000



In this unit we will ...

- ⚡ Count in 100s
- ⚡ Partition a number in 100s, 10s and 1s
- ⚡ Find 100, 10 and 1 more or less
- ⚡ Compare and order numbers up to 1,000
- ⚡ Count in 50s

In Year 2 we used place value grids to organise our work. What number does this show?

T	O



We will need some maths words. How many of these can you remember?

hundreds (100s) tens (10s) ones (1s)

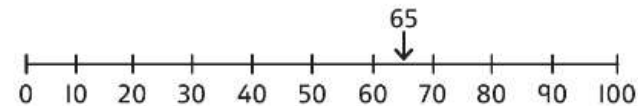
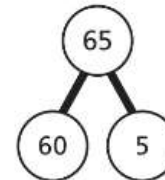
place value more less

greater than (>) less than (<) equal to

order compare estimate

exchange ascending descending

We will also use part-whole models and number lines.



Unit 2

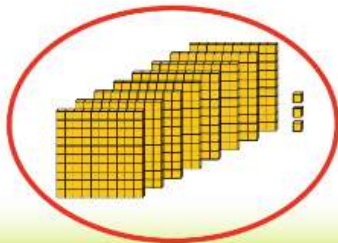
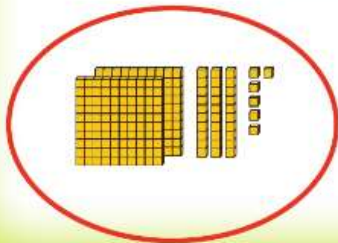
Addition and subtraction 1



In this unit we will ...

- ⚡ Apply number bonds within 10
- ⚡ Add and subtract 1s, 10s and 100s
- ⚡ Add and subtract 1s and 10s across 100
- ⚡ Learn when to exchange 1s, 10s and 100s
- ⚡ Add and subtract using mental and written methods

Do you remember how to use base 10 equipment? What numbers do these represent?



We will need some maths words. Are any of these new?

addition

subtraction

mental method

exchange

bonds

We need this too! Use it to write the number two hundred and thirty-four using digits.

H	T	O



Unit 3

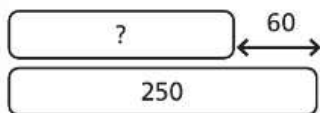
Addition and subtraction (2)



In this unit we will ...

- ⚡ Add and subtract 3-digit numbers
- ⚡ Decide if we need to exchange
- ⚡ Exchange across more than one column
- ⚡ Learn how to check our answers in different ways
- ⚡ Use bar models to solve 1- and 2-step problems

Do you remember how to find the missing information on comparison bar models?



We will need some maths words. Which words have you come across before? Which word means to find a rough answer?

exchange

column method

estimate

mental method

multiple

sum

digit

approximate

add

subtract

difference

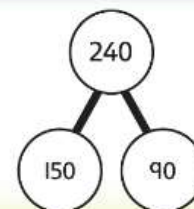
plus

minus

total

place value

We need to remember about parts and wholes. Use this part-whole model to find a family of 8 facts.



Unit 4

Multiplication and division 1



In this unit we will ...

- ⚡ Recognise unequal groups
- ⚡ Understand how an array can show two multiplications
- ⚡ Work out multiples of 2, 5 and 10

In Year 2, we recognised when groups were equal and unequal.



Equal groups



Unequal groups



We will need some maths words. How many of these have you used before?

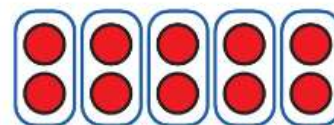
equal multiply divide multiple

times-tables sharing grouping

array bar model

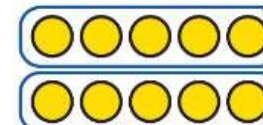
repeated addition commutative

You need to know that an array can tell you two different multiplication facts.



5 groups of 2

$$5 \times 2 = 10$$



2 groups of 5

$$2 \times 5 = 10$$



Unit 5

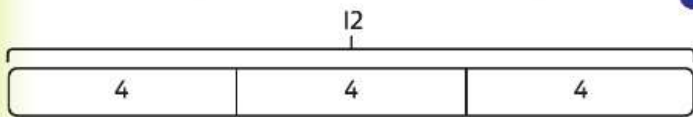
Multiplication and division ②



In this unit we will ...

- ⚡ Learn the 3, 4 and 8 times-tables
- ⚡ Find a simple remainder when a number is divided
- ⚡ Use a bar model to solve multiplication and division problems

We will use bar models to help solve multiplication and division problems.



We will need some maths words. How many of these have you used before?

equal multiply divide multiple

times-tables sharing grouping

array bar model repeated addition

multiplication sentence multiplication fact

division sentence division fact remainder

We need to use number lines too. These will help us understand multiplication and division.

