

What should I already know?

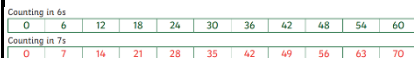
- count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number
- recognise the place value of each digit in a 3-digit number (100s, 10s, 1s)
- compare and order numbers up to 1,000
- identify, represent and estimate numbers using different representations
- read and write numbers up to 1,000 in numerals and in words
- solve number problems and practical problems involving these ideas

Key Vocabulary and definitions

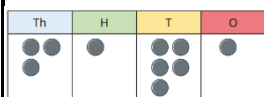
Compare	View a number in relation to another.
Estimate	Making a number easier to work with but keeping the value similar.
Equal to	Being the same in quantity, size or value.
Flexible	Separate larger numbers in different smaller numbers (not just HTO).
Hundreds	1 hundred is equivalent to 10 tens and 100 ones.
Partition	Separating larger numbers into smaller units.
Place value	The value of each digit that appears in a number.
Round	Replacing a number with an approximate value which is easier to work with.
Tens	A place value heading where 1 ten is equal to 10 ones.

Key Knowledge

Count in multiples of 6, 7, 9, 25 and 1,000



Find 1,000 more or less than a given number (recap on 1, 10 and 100 more or less)

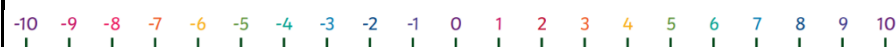


$$3151 + 1000 = 4151; 3151 + 100 = 3252; 3151 + 10 = 3161; 3151 + 1 = 3152$$

$$3151 - 1000 = 2151; 3151 - 100 = 3051; 3151 - 10 = 3141; 3151 - 1 = 3150$$

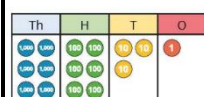
Include opportunities for exchanging in 100s, 10s and 1s: $2034 - 100$; $3954 + 100$

Count backwards through 0 to include negative numbers



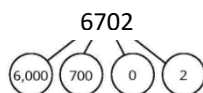
Also show vertically.

Recognise the place value of each digit in a four-digit number



6 thousands = 6000

6 hundreds = 600
ones.



$$5423 = 5000 + 400 + 20 + 3$$

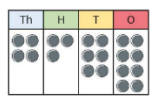
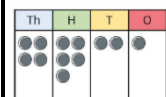
2435 = 2 thousands, 4 hundreds, 2 tens and 5

Also show as flexible partitioning.

3 tens = 30

1 one = 1

Order and compare numbers beyond 1,000 different representations



500 500

8500

4521 > 4368

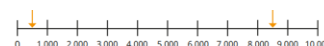
321 g < 3,012 g

Identify, represent and estimate numbers using

Place value counters

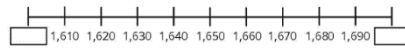


Number line



Round any number to the nearest 10, 100 or 1,000

1435 to the nearest 10 is



1440

Move onto rounding without number lines.

1630 to the nearest 100 is 1600

4300 to the nearest 1000 is 4000

Solve number and practical problems that involve all of the above and with increasingly large positive numbers

Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of 0 and place value

one	1	I
five	5	V
ten	10	X
fifty	50	L
one hundred	100	C

XVIII = 18

XXIX = 29

LXXXIV = 84