

'I WILL SHINE'

# Place Value

## Prior learning

Let's activate my long-term memory!  
In Y3, I learnt to...

- count from 0 in multiples of 4, 8, 50 and 100 and find 10/100 more or less than a number
- recognise hundreds, tens and ones in a number
- compare and order numbers up to 1000
- identify, represent and estimate numbers in different ways
- read and write numbers to 1000 in numbers and words
- to recognise Roman numerals up to 12
- solve number problems

## Key vocabulary

What words will I use in this unit?  
Do I recognise any already?

multiples	value
digits	order
estimate	compare
positive	negative
	round

## Tools and drawings

Which tools and drawing might I use to support my learning?

PV grid	Dienes
PV counters	number lines
PV arrow cards	bar model
part-whole (cherry diagram)	

## Current learning

In this unit, I will learn how to...

- \* Round to the nearest 10, 100 and 1,000
- \* Count in 1,000s and 25s
- \* Represent 1,000s, 100s, 10s and 1s
- \* Partition numbers
- \* Use a number line to 10,000
- \* Find 1,000 more or less
- \* Compare numbers
- \* Order numbers
- \* Understand negative numbers
- \* Recognise Roman numerals to 100

## Knowledge Organiser

### Counting

Counting in 6s										
0	6	12	18	24	30	36	42	48	54	60
Counting in 7s										
0	7	14	21	28	35	42	49	56	63	70
Counting in 9s										
0	9	18	27	36	45	54	63	72	81	90
Counting in 25s										
0	25	50	75	100	125	150	175	200	225	250
Counting in 1000s										
0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10 000

### Roman Numerals

one	1	I	XVIII = 18 XXIX = 29 LXXXIV = 84
five	5	V	
ten	10	X	
fifty	50	L	
one hundred	100	C	

### Represent 4-Digit Numbers

3487

three thousand, four hundred and eighty-seven

1000s	100s	10s	1s

  

Thousands	Hundreds	Tens	Ones

  
  

### 1000 More or 1000 Less

1000 Less		1000 More
1212	2212	3212

### Rounding

Look at the place value column to the right of the value you are rounding to. If this digit is a 4 or less, round down. If the digit is a 5 or more, round up.

Rounding to nearest 10

20	21	22	23	24	25	26	27	28	29	30
← round down					round up →					

Rounding to the nearest 100

200	249	250	300
← round down		round up →	

Rounding to the nearest 1000

2000	2499	2500	3000
← round down		round up →	

### Negative Numbers

