

'I WILL SHINE'

Place Value

Prior learning

Let's activate my long-term memory!
In Y5, I learnt to...

- read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit
- count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000
- interpret negative numbers, count forwards and backwards with positive and negative whole numbers through 0
- round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000
- solve number problems
- read Roman numerals to 1000 (M)

Key vocabulary

What words will I use in this unit?

Have I heard any before?

ones tens hundreds thousands
ten thousands hundred thousands
millions ten millions round
negative positive

Current learning

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

- read, write and represent numbers to ten million in different ways
- Compare and order any number
- Round any number
- Understand negative numbers

Tools and drawings

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

PV charts PV counters
Negative number lines

Knowledge Organiser

Numbers to Ten Million

3 926 471

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
3	9	2	6	4	7	1

three million, nine hundred and twenty-six thousand, four hundred and seventy-one

3 926 471

3 500 000 426 300 171

Round Any Number

Rounding to the nearest 1000

2000 ← 2499 → 2500 → 3000
round down round up

Rounding to the nearest 100 000

200 000 ← 249 999 → 250 000 → 300 000
round down round up

Rounding to the nearest 10 000

20 000 ← 24 999 → 25 000 → 30 000
round down round up

Rounding to the nearest 1 000 000

2 000 000 ← 2 499 999 → 2 500 000 → 3 000 000
round down round up

Negative Numbers

$3 - 8 = -5$

$-6 + 11 = 5$

Compare and Order

less than equals greater than

901 198 < 1 091 098 26 + 38 = 8 × 8 223 873 > 98 256

smallest 81 782 127 352 127 835 137 019 200 002 greatest