Knowledge Organiser

Number

Year 6 | Number & Place Value

Every digit has a value, no matter how many digits that number is made up of. Place value will help our understanding of multiplication and division, especially when it comes to multiplying and dividing decimal numbers by 10, 100 and 1000.

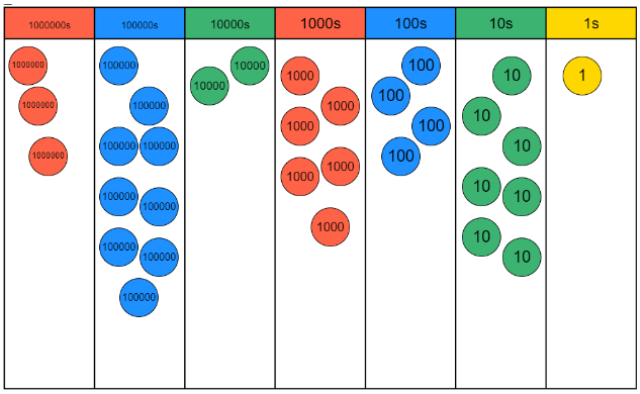
Builds from Year 5:	This year:	Leads to Key Stage 3:
Read, write, order and compare numbers to at least 1,000,000. Count in steps of powers of 10. Round numbers to the nearest 10 000, 100 000 Interpret negative numbers in context. Recognise years written in Roman numerals.	Read, write, order and compare numbers to 10,000,000. Round any whole number. Use negative numbers in context.	Extend understanding of the number system and place value to include powers and roots.

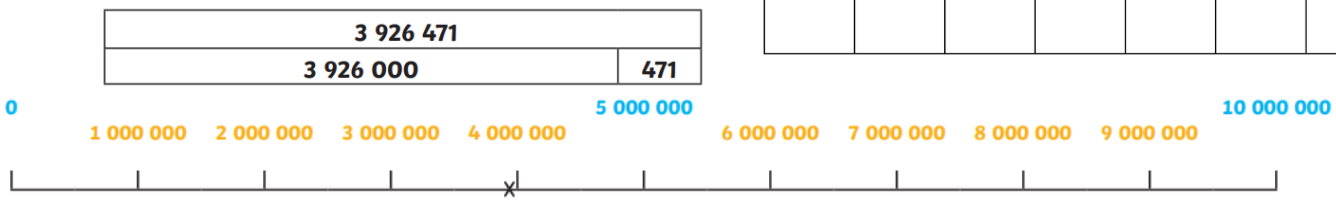
Numbers to 10,000,000

3,926,471

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

millions	hundred thousands	ten thousands	thousands	hundreds	tens	ones
3	9	2	6	4	7	1





Compare and Order Numbers

36 + 48 = 12 x 7 equals

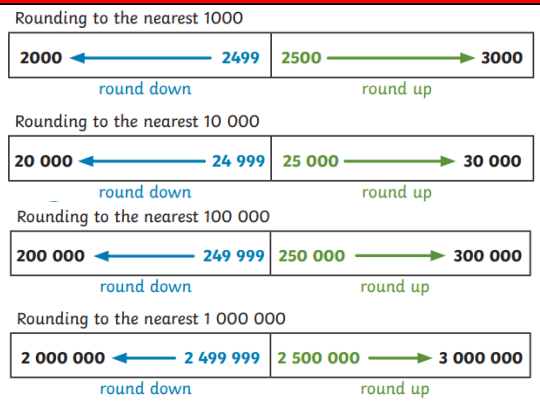
375,631 > 98 527 greater than

851, 026 < 1,851,206 less than

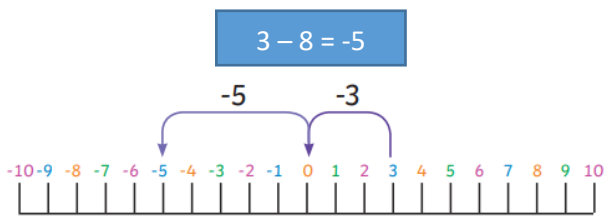
81 782 | 127 352 | 127 835 | 137 019 | 200 002

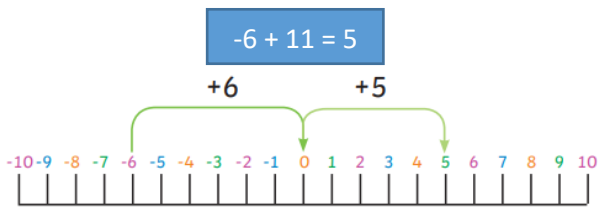
smallest ... largest

Rounding Numbers



Negative Numbers





Key Vocabulary

ten million millions thousands hundreds tens ones zero place value greater than less than order round rounded negative number partition interval sequence linear sequence