

Mathematics New Knowledge Progression Document

Number and place value

Component 1: Roman numerals

EYFS	Y1	Y2	Y3	Y4	Y5	Y6
			Recognise Roman numerals to 12	Recognise and use Roman numerals to 100	Recognise and use Roman numerals to 1, 000 and dates	

Component 2: Know the value of digits

EYFS	Y1	Y2	Y3	Y4	Y5	Y6
Know numbers up to 10	Know numbers up to 100 (standard)	Know numbers up to 100 (non-standard)	Know numbers up to 1, 000	Know numbers up to 10, 000	Know numbers up to 1, 000, 000	Know numbers up to 10, 000, 000

Component 3: Know more and less than a given number

EYFS	Y1	Y2	Y3	Y4	Y5	Y6
	Know 1 more or less	Know 10 more and 10 less	Know 100 more or less	Know 1, 000 more or less	Know Powers of 10	Know Patterns between powers of 10

Component 4: Know place value on a number line

EYFS	Y1	Y2	Y3	Y4	Y5	Y6
	Know numbers up to 20	Know numbers up to 100	Know numbers up to 1,000	Know numbers up to 10,000	Know numbers up to 1,000,000	Know numbers up to 10,000,000

Component 5: Know how to compare and order

EYFS	Y1	Y2	Y3	Y4	Y5	Y6
Numbers up to 10	Numbers up to 20	Numbers up to 100	Numbers up to 1,000	Numbers up to 10,000	Numbers up to 1,000,000	Numbers up to 10,000,000

Component 6: Know multiples

EYFS	Y1	Y2	Y3	Y4	Y5	Y6
	Count in 10s	Count in 2s and 5s	Count in multiples of 25 and 50	Count in multiples of 1,000		

Component 7: Know how to round

EYFS	Y1	Y2	Y3	Y4	Y5	Y6
				Round numbers to 10, 100 and 1,000	Know any whole number can be rounded to the nearest 10 ssssssssss1aaaaq1,000 or 100,000	Know any whole number can be rounded to a required degree of accuracy
qAAAAAAaX						

Component 8: Know negative numbers

EYFS	Y1	Y2	Y3	Y4	Y5	Y6
				Count back through zero	Know the position of a negative number determines its value	Use negative numbers in context and calculate intervals across zero