

Key knowledge and skills

	Number Bonds	__ more/ __ less	Doubles/halves	Addition and subtraction	Counting in	Multiplication and division	Decimals/fractions/percentages	Measure
EYFS	Number bonds to 5.  Know some number bonds to 10.  Subitising to 5.  Recognise odds and evens up to 10.	1 more/1 less – numbers up to 10.	Double numbers within 10.	Recognise symbols +. – and =	Count in 1s to 30.			
Year 1	Number bonds within 10.  Number bonds to 10.	1 more/1 less – numbers up to 100.	Double numbers up to double 6.  Halve numbers within 12.	Use number bonds to add and subtract.	Count in 2s (to 20), 5s (to 50) and 10s (to 100) – forwards and backwards.			
Year 2	Number bonds to 100 (tens).	10 more/10 less – numbers up to 100	Double and halve numbers within 20.  Halve multiples of 10 in numbers up to 100.	Add two 2 digit numbers (no exchange).  Subtract two 2 digit numbers (no exchange).  Add and subtract only ones or tens from a 2 digit number.	Count in 20s to 100 – forwards and backwards.	2, 5 and 10 times tables – multiplication and division facts.	Know that $\frac{1}{2}$ is equal to $\frac{2}{4}$	
Year 3	Number bonds to 100 (ones).  Number bonds to 1000 (hundreds).	1 more/ 1 less – numbers up to 1000.  10 more/10 less – numbers up to 1000.  100 more/100 less – numbers up to 1000.	Double and halve numbers within 100.	Add two 3 digit numbers (no exchange).  Subtract two 3 digit numbers (no exchange).  Add and subtract only ones, tens or hundreds from	Count in 20s (up to 1000) forwards and backwards, starting from any multiple of 20.  Count in 25s (up to 1000) forwards and backwards, starting from any multiple of 25.  Count in 50s (up to 1000) forwards and backwards	3, 4 and 8 times tables – multiplication and division facts.	Add fractions with the same denominator.  Subtract fractions with the same denominator.	Know that 10mm = 1cm.  Know that 100cm = 1m  Know that 1litre = 1000ml  Know that 1kg = 1000g

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				a 3 digit number.	starting from any multiple of 50.  Count in 100s (up to 1000) forwards and backwards starting from any multiple of 100.			
Year 4	Number bonds to 1000 (tens).  Number bonds to 1000 (ones).	1 more/ 1 less – numbers up to 10,000.  10 more/10 less – numbers up to 10,000.  100 more/100 less – numbers up to 10,000.  1000 more/1000 less – numbers up to 10,000.	Double and halve multiples of 10 within 1000.	Add two 4 digit numbers (no exchange).  Subtract two 4 digit numbers (no exchange).  Add and subtract only ones, tens, hundreds or thousands from a 4 digit number.	Count in 200s (up to 1000) forwards and backwards, starting from any multiple of 200.  Count in 250s (up to 10,000) forwards and backwards, starting from any multiple of 250.  Count in 500s (up to 10,000) forwards and backwards, starting from any multiple of 500.  Count in 1000s (up to 10,000) forwards and backwards starting from any multiple of 1000.  Count in tenths, forwards and backwards.	6, 7, 9, 11 and 12 times tables – multiplication and division facts  Multiply and divide by 1 and 0.  Divide a one or two digit number by 10.  Divide a one or two digit number by 100.  Multiply a decimal (up to 2dp) by 10.  Multiply a decimal (up to 2dp) by 100.	Know that $\frac{1}{2}$ is equal to 0.5  Know that $\frac{1}{4}$ is equal to 0.25  Know that $\frac{3}{4}$ is equal to 0.75 Know that $\frac{1}{10}$ is equal to 0.1	Know that 1000m = 1km
Year 5	Decimal number bonds (tenths e.g. $0.8 + 0.2$ and hundredths e.g. $0.63 + 0.37$ ).	1 more/ 1 less – numbers up to 100,000.  10 more/10 less – numbers up to 100,000.  100 more/100 less – numbers up to 100,000.  1000 more/1000	Halve odd numbers.  Double numbers with 1dp.		Count in hundredths, forwards and backwards.  Count in 2.5s, forwards and backwards – starting from any multiple of 2.5.	Square numbers.  Multiply and divide any number by 10, 100 and 1000.  Use doubling and halving to multiply. For example, know that $14 \times 3 = 7 \times 6$ $4 \times 6 = 8 \times 3$	Know that $\frac{1}{5}$ is equal to 0.2  Know decimal, fraction and percentage equivalents: $\frac{1}{100} = 0.01 = 1\%$ $\frac{1}{10} = 0.1 = 10\%$ $\frac{1}{5} = 0.2 = 20\%$ $\frac{1}{4} = 0.25 = 25\%$ $\frac{1}{2} = 0.5 = 50\%$ $\frac{3}{4} = 0.75 = 75\%$ $1 = 1 = 100\%$	

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		less – numbers up to 100,000.  10,000 more/10,000 less – numbers up to 100,000.						
Year 6	Decimal number bonds (thousandths).		Doubling and halving decimals.		Count in 0.25s, forwards and backwards – starting from any multiple of 0.25.	Cube numbers	$1/20 = 0.05 = 5\%$	Know that 1 mile = 1.6km  Know that 1km = 0.625 (5/8) mile