



# Number Stacks

- Making sense of Numbers -

## Key Skills: Number & Place Value

1	Read and write numbers to 10 in numerals	E/1st
2	Read and write numbers 11 to 20 in numerals	E/1st
3	Count backwards within 20 from any given number	E
4	Identify 1 more or 1 less than a given number	E
5	Order and compare numbers up to 20 using language 'more' and 'fewer'	E
6	Count in multiples of 10 up to 100	1st
7	Count backwards in multiples of 10 within 100	1st
8	Read and write numbers to 100 in numerals, recognising the place value of each digit	1st
9	Count backwards within 100 from any given number	1st
10	Identify 1 or 10 more or less than a given number	1st
11	Compare and order numbers from 0-100 using <> and = signs	1st
12	Read and write 3-digit numbers in numerals, recognising the place value of each digit	1st
13	Find 10 or 100 more or less than a given number	1st
14	Read and write 4-digit numbers in numerals, recognising the place value of each digit	1 <sup>st</sup> /2 <sup>nd</sup>
15	Round any number to the nearest 10, 100 or 1000	1 <sup>st</sup> /2 <sup>nd</sup>
16	Read and write numbers to at least 1 million	2 <sup>nd</sup>
17	Compare and order numbers up to 1 million	2 <sup>nd</sup>
18	Round any number to a given degree of accuracy	2 <sup>nd</sup>

## Key Skills: Addition & Subtraction

1	Recognise number bonds to 10	E
2	Recognise number bonds for numbers within 10	E
3	Add single digit numbers	E
4	Subtract single digit numbers	E
5	Subtract single digit numbers from numbers up to 20	1st
6	Add a two-digit number and 1s	1st
7	Add a two-digit number and 10s	1st
8	Add a pair of two-digit numbers	1st
9	Subtract a two-digit number and 1s	1st
10	Subtract a two-digit number and 10s	1st
11	Subtract a pair of two-digit numbers	1st
12	Use the inverse relationship to solve missing number problems	1st
13	Add numbers mentally, including: a three-digit number and 1s, 10s or 100s	2nd
14	Subtract numbers mentally, including: a three-digit number and 1s, 10s or 100s	2nd
15	Add numbers with 3 or more digits using a formal written method	2nd
16	Subtract numbers with 3 or more digits using a formal written method	2nd

## Key Skills: Multiplication & Division

1	Double numbers up to 10	E
2	Halve numbers up to 20	1st
3	Calculate and write mathematical statements using the (X) and (=) signs, using tables they know	1st
4	Calculate and write mathematical statements using the (÷) and (=) signs, using tables they know	1st
5	Calculate mentally 2-digit times 1-digit numbers	1 <sup>st</sup> /2 <sup>nd</sup>
6	Divide numbers going beyond 12 times the number using the tables that they know	1 <sup>st</sup> /2 <sup>nd</sup>
7	Multiply two-digit and three-digit numbers by a one-digit number using formal written layout	2 <sup>nd</sup>
8	Use known multiplication facts to calculate division with remainders	2 <sup>nd</sup>
9	Identify multiples and factors of a number, and use the vocabulary of common factors and prime numbers	2 <sup>nd</sup>
10	Multiply numbers of up to 4 digits by a two-digit number using a formal written method	2 <sup>nd</sup>
11	Divide numbers of up to 4 digits by a one-digit number using a formal method	2 <sup>nd</sup>
12	Divide numbers of up to 4 digits by a two-digit number using a formal method	2 <sup>nd</sup> /3 <sup>rd</sup>

## Key Skills: Fractions

1	Recognise and find half or a quarter of an object, shape or quantity	E/1st
2	Recognise, name and find 1/3, 1/4, 2/4 and 3/4 of a shape, set of objects or quantity.	1 <sup>st</sup> /2 <sup>nd</sup>
3	Find and write fractions of amounts including unit and non-unit fractions with small denominators	1 <sup>st</sup> /2 <sup>nd</sup>
4	Add and subtract fractions with the same denominator	2 <sup>nd</sup> /3 <sup>rd</sup>
5	Recognise and find equivalent fractions	2 <sup>nd</sup>
6	Recognise mixed numbers and improper fractions and convert from one to the other	2 <sup>nd</sup>
7	Use common factors to compare and order fractions	2 <sup>nd</sup>
8	Add and subtract fractions with denominators that are multiples of the same number	2 <sup>nd</sup>
9	Use common factors to simplify fractions	2 <sup>nd</sup>
10	Multiply a proper fraction by a whole number	3 <sup>rd</sup> /4 <sup>th</sup>
11	Multiply pairs of proper fractions	3 <sup>rd</sup> /4 <sup>th</sup>
12	Divide fractions including fractions by whole numbers, whole numbers by fractions and pairs of fractions.	3 <sup>rd</sup> /4 <sup>th</sup>

## Key Skills: Decimals & Percentages

1	Recognise that decimals come from splitting ones into smaller parts and count up or down in tenths	1 <sup>st</sup> /2 <sup>nd</sup>
2	Add numbers with one decimal place	2 <sup>nd</sup>
3	Subtract numbers with one decimal place	2 <sup>nd</sup>
4	Round decimals with one decimal place to the nearest whole number.	2 <sup>nd</sup>
5	Recognise and count up or down in hundredths	2 <sup>nd</sup>
6	Add numbers with two decimal places	2 <sup>nd</sup>
7	Subtract numbers with two decimal places	2 <sup>nd</sup>
8	Recognise the decimal equivalents of 1/4, 1/2 and 3/4	2 <sup>nd</sup>
9	Multiply and divide whole numbers and decimals by 10, 100 and 1000	2 <sup>nd</sup>
10	Recognise the % symbol and know the equivalence between common fractions, decimals and percentages	2 <sup>nd</sup>
11	Find percentages of amounts	2 <sup>nd</sup>