

Year 6 Non negotiables

The following 3 pages suggest a planning outline for delivering the non-negotiables in classrooms. There should be some element of teaching of these each day.

Autumn Term

1st Half Term	2nd Half Term
<ul style="list-style-type: none">• Count on/back from a given number in steps of 10/100/1000/10000 up to at least 1,000,000• Count on/back in whole numbers, fraction and decimal sequences through zero to include negative numbers (e.g. 2.5 or $1\frac{1}{4}$)• Find 0.01, 0.1, 1, 10 and powers of 10 more or less than a given number• Read, write, partition, order and compare numbers to at least 1,000,000• Round any number to 1,000,000 to the nearest 10, 100, 1000, 10,000 and 100,000 (e.g. round 5 digit number to the nearest 10,000)• Order and compare numbers including integers, decimals and negative numbers• Read, write, order, partition and compare decimal numbers up to 3dp• Round decimals with 1 and 2dp to the nearest whole number and to 1dp• Multiply and divide mentally drawing upon known facts and/or using place value	<ul style="list-style-type: none">• Count on/back from a given number in steps of 10/100/1000/10000 to 1,000,000 and beyond• Count on/back in whole numbers, fraction and decimal sequences through zero to include negative numbers? (e.g. 2.5 or $1\frac{1}{4}$)• Find 0.01, 0.1, 1, 10 and powers of 10 more or less than a given number• Read, write, partition, order and compare numbers to 1,000,000 and beyond?• Round any number to 1,000,000 to the nearest 10, 100, 1000, 10,000 and 100,000 (e.g. round 5 digit number to the nearest 10,000; 6 digit number to the nearest 100,000)• Order and compare numbers including integers, decimals and negative numbers• Read, write, order, partition and compare decimal numbers up to 3dp• Round decimals with 3dp to the nearest whole number or to one or two decimal places• Multiply and divide drawing upon known facts and/or using place value

<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> •
<ul style="list-style-type: none"> • Multiply and divide any whole and decimal number by 10, 100 and 1000 giving answers up to 2dp • Mentally add and subtract tenths and one-digit whole numbers and tenths • Add/subtract mentally a 5-digit number and 4- digit numbers (e.g. $15,345 + 2300$ and $12,462 - 2300$) • Count on/back with positive and negative numbers, including through zero • Count on/back in fraction and decimal sequences • Find factors and factor pairs of each number to 100 • Find complements to 100, 1000 ,10,000 and to £1.00, £5.00 and £10.00 	<ul style="list-style-type: none"> • Multiply and divide any whole and decimal number by 10, 100 and 1000 giving answers up to 2dp • Mentally add and subtract tenths and one-digit whole numbers and tenths • Add/subtract mentally a 5-digit number and 4- digit numbers (e.g. $15,345 + 2300$ and $12,462 - 2300$) • Continue a linear number sequence with positive and negative numbers, decimal and proper fractions including through zero • Find factors and factor pairs of each number to 100 • Convert units of measurement (km and m; cm and m; cm and mm; gram and kg, ml and l and time) • Find complements to 100, 1000 ,10,000 and to £5.00, £10.00 and £20.00

Spring Term

1st Half Term

- Count on/back from a given number in steps of 10/100/1000/10000 to 1,000,000 and beyond
- Count on/back in whole numbers, fraction and decimal sequences through zero to include negative numbers (e.g. 2.5 or $1\frac{1}{4}$)
- Find 0.001, 0.01, 0.1, 1, 10 and powers of 10 more or less than a given number
- Read, write, partition, order and compare numbers to 5,000,000
- Round any number to 5,000,000 and beyond to the nearest 10, 100, 1000, 10,000 and 100,000 (e.g. round any 6 digit number to the nearest hundred thousand and 7-digit number to the nearest million)
- Order and compare numbers including integers, decimals and negative numbers
- Read, write, order, partition and compare decimal numbers up to 3dp
- Round decimals with 3dp to the nearest whole number or to one or two decimal places
- Multiply and divide drawing upon known facts and/or using place value
- Multiply and divide any whole and decimal number by 10, 100 and 1000 giving answers up to 3dp

2nd Half Term

- Count on/back from a given number in steps of 10/100/1000/10000 to 1,000,000 and beyond
- Count on/back in whole numbers, fraction and decimal sequences through zero to include negative numbers (e.g. 2.5 or $1\frac{1}{4}$)
- Find 0.001, 0.01, 0.1, 1, 10 and powers of 10 more or less than a given number
- Read, write, partition, order and compare numbers to 5,000,000 and beyond
- Round any number to 5,000,000 and beyond to the nearest 10, 100, 1000, 10,000 and 100,000 (e.g. round any 6 digit number to the nearest hundred thousand and 7-digit number to the nearest million)
- Order and compare numbers including integers, decimals and negative numbers
- Read, write, order, partition and compare decimal numbers up to 3dp
- Round decimals with 3dp to the nearest whole number or to one or two decimal places
- Multiply and divide drawing upon known facts and/or using place value
- Multiply and divide any whole and decimal number by 10, 100 and 1000 giving answers up to 3dp
- Perform mental calculations with larger numbers and mental calculations which include at least 2 different operations (e.g. addition and multiplication)



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- mental calculations which include at least 2 different operations (e.g. addition and multiplication)
- Continue a linear number sequence with positive and negative numbers, decimal and proper fractions including through zero
- Find factors and factor pairs of each number to 100
- Convert units of measurement (km and m; cm and m; cm and mm; gram and kg, ml and L and time)
- Find complements to 100, 1000, 10,000 and to £5.00, £10.00 and £20.00

- Find complements to 1000, 10,000 and to £10.00, £20.00 and £50

Summer Term

1st Half Term

- Count on/back from a given number in steps of 10/100/1000/10000 to 1,000,000 and beyond
- Count on/back in whole numbers, fraction and decimal sequences through zero to include negative numbers (e.g. 2.5 or $1\frac{1}{4}$)
- Find 0.001, 0.01, 0.1, 1, 10 and powers of 10 more or less than a given number
- Read, write, partition, order and compare numbers to 10,000,000
- Round any 6 digit number to the nearest hundred thousand and 7-digit number to the nearest million.
- Round any number to 10,000,000 to the nearest 10, 100, 1000, 10,000 and 100,000 (e.g. round any 6 digit number to the nearest hundred thousand and 7-digit number to the nearest million)
- Order and compare numbers including integers, decimals and negative numbers
- Read, write, order, partition and compare decimal numbers up to 3dp
- Round decimals with 3dp to the nearest whole number or to one or two decimal places
- Multiply and divide any whole and decimal number by 10, 100 and 1000 giving answers up to 3dp

2nd Half Term

- Count on/back from a given number in steps of 10/100/1000/10000 to 1,000,000 and beyond
- Count on/back in whole numbers, fraction and decimal sequences through zero to include negative numbers (e.g. 2.5 or $1\frac{1}{4}$)
- Find 0.001, 0.01, 0.1, 1, 10 and powers of 10 more or less than a given number
- Read, write, partition, order and compare numbers to 10,000,000
- Round any number to 10,000,000 to the nearest 10, 100, 1000, 10,000 and 100,000 (e.g. round any 6 digit number to the nearest hundred thousand and 7-digit number to the nearest million)
- Order and compare numbers including integers, decimals and negative numbers
- Read, write, order, partition and compare decimal numbers up to 3dp
- Round decimals with 3dp to the nearest whole number or to one or two decimal places
- Multiply and divide any whole and decimal number by 10, 100 and 1000 giving answers up to 3dp
- Perform mental calculations with larger numbers and mental calculations which include at least 2 different operations (e.g. addition and multiplication)
- Continue a linear number sequence with positive and negative numbers, decimal and proper fractions including through zero

- Perform mental calculations with larger numbers and mental calculations which include at least 2 different operations (e.g. addition and multiplication)
- Continue a linear number sequence with positive and negative numbers, decimal and proper fractions including through zero
- Find factors and factor pairs of each number to 100
- Convert units of measurement using decimal notation up to 3dp (km and m; cm and m; cm and mm; gram and kg, ml and l and time)
- Find complements to 1000, 10,000 and to £10.00, £20.00 £50 and £100

- Find factors and factor pairs of numbers to 100
- Convert units of measurement using decimal notation up to 3dp (km and m; cm and m; cm and mm; gram and kg, ml and l and time)
- Find complements to 1000, 10,000 and to £10.00, £20.00 £50 and £100