Year 5 Non negotiables

Autumn Term	
Ist Half Term	**2nd Half Term**
•Count on/back from a given number in steps of 100/1000/10,000 up to a 100,000 •Read, write and order numbers to 100,000 •Compare numbers to at least 100,000 •Partition numbers to at least 100,000 •Find powers of 10 more than a given number •Multiply and divide numbers mentally drawing upon known facts •Multiply and divide any whole number by 10 and 100 and multiply and divide any decimal number by 10 •Count on/back with positive and negative numbers, including through zero •Round any number up to 50,000 to the nearest 10, 100 and 1000 •Add/subtract: 3-digit and 1-digit numbers, a 3-digit number and tens and a 3-digit number and hundreds, combinations of 2 and 3 digit numbers •Find complements to 100 and 1000 and 10. 000 •Find factors and factor pairs of each number up to 20	•Count on/back from a given number in steps of 100/1000/10,000 up to and beyond a 100,000 •Read, write and order numbers to 100,000 and beyond •Compare numbers to 100,000 and beyond •Partition numbers to 100,000 and beyond •Find powers of 10 more than a given number •Read, write, order and compare decimal numbers up to 2dp •Partition decimal numbers to 2dp •Round decimals with 1dp to the nearest whole number •Multiply and divide numbers mentally drawing upon known facts •Multiply and divide any whole number by 10 and 100 and multiply and divide any decimal number by 10 and 100 •Count on/back with positive and negative numbers, including through zero) •Count on/back in fraction and decimal sequences (e.g. 2.5 or 1 ½ •Round any number up to 100,000 to the nearest 10, 100 and 1000 •Add/subtract: 4-digit and 1-digit numbers, a 4 digit and tens, a 4-digit number and hundreds and a 4-digit number and thousands and combinations of pairs of 2,3 or 4 digit numbers •Find factors and factor pairs of each number up to and beyond 20 •Find complements to 1000 •Convert units of measurement (km and m; cm and m; cm and mm; gram and km, ml and L)

Spring Term

1st Half Term	2nd Half Term
• Count on/back from a given number in steps of 100/1000/10,000/100.000 up to 500,000	• Count on/back from a given number in steps of 100/1000/10,000/100,000 up to and beyond 500,000
• Read, write and order numbers to 500,000	• Read, write and order numbers to 500,000 and beyond
• Compare numbers to at least 500,000	• Compare numbers to 500,000 and beyond
• Partition numbers to at least 500,000	• Partition numbers to 500,000 and beyond
• Find powers of 10 more than a given number	• Find powers of 10 more than a given number
• Read, write, order and compare decimal numbers up to 3dp	• Read, write, order and compare decimal numbers up to 3dp
• Partition decimal numbers to 3dp	• Partition decimal numbers to 3dp
• Round decimals with 1 and 2dp to the nearest whole number	• Round decimals with 1 and 2dp to the nearest whole number
• Multiply and divide numbers mentally drawing upon known facts	• Multiply and divide numbers mentally drawing upon known facts
• Multiply and divide any whole number by 10, 100, 1000 and multiply and divide any decimal number by 10 and 100	• Multiply and divide any whole number by 10, 100, 1000 and multiply and divide any decimal number by 10 and 100
• Count on/back with positive and negative numbers, including through zero	• Count on/back with positive and negative numbers, including through zero)
• Count on/back in fraction and decimal sequences? (e.g. 2.5 or 1 ½	• Count on/back in fraction and decimal sequences (e.g. 2.5 or 1 ½
• Round any number up to 500,000 to the nearest 10, 100, 1000, 10,000 and 100,000	• Round any number up to 500,000 and beyond to the nearest 10, 100, 1000, 10,000 and 100,000
• Add/subtract: 4-digit and 1-digit numbers, a 4 digit and tens, a 4-digit number and hundreds and a 4-digit number and	• Add mentally a 4 digit number and a 3 digit number (for example 8,345 + 230)
	• Subtract mentally any 4-digit number from a 3-digit number (for example 8,345 – 230)

- thousands and combinations of pairs of 2,3 or 4 digit numbers
- Mentally add and subtract tenths
- Find factors and factor pairs of each number up to 50
- Find complements to 100 and 1000 and to £1.00
- Convert units of measurement (km and m; cm and m; cm and mm; gram and km, ml and L)

- Find factors and factor pairs of each number up to 50 and beyond
- Find complements to 100 and 1000; £1.00 and £5.00 and to 1 using 2dp
- Convert units of measurement (km and m; cm and m; cm and mm; gram and km, ml and L)
- Mentally add and subtract tenths

Summer Term

Ist Half Term	2nd Half Term
•Count on/back from a given number in steps of 100/1000/10,000/100,000 up to a 1,000,000 •Read, write and order numbers to 1,000,000 •Compare numbers to at least 1,000,000 •Partition numbers to at least 1,000,000 •Find powers of 10 more than a given number •Read, write, partition, order and compare decimal numbers up to 3dp •Round decimals with 1 and 2dp to the nearest whole number and to 1dp •Multiply and divide numbers mentally drawing upon known facts •Multiply and divide any whole and decimal number by 10, 100, 1000 •Count on/back with positive and negative numbers, including through zero •Count on/back in fraction and decimal sequences (e.g. 2.5 or 1 ½ •Round any number up to 1,000,000 to the nearest 10, 100, 1000, 10,000 and 100,000 •Add mentally a 4 digit number and 3 digit numbers (for example 8,345 + 230) •Subtract mentally any 4-digit number from a 3-digit number (e.g. 8,345 – 230) •Mentally add and subtract tenths and one-digit whole numbers and tenths •Find factors and factor pairs of each number up to 100 •Find complements to 100 and 1000; £1.00 and £5.00 and to 1 using 2dp •Convert units of measurement (km and m; cm and m; cm and mm; gram and km, ml and L)	•Count on/back from a given number in steps of 100/1000/10,000/100,000 to a 1,000,000 and beyond •Read, write, and order numbers to 1,000,000 and beyond •Compare numbers to 100,000 and beyond •Partition numbers to 1,000,000 and beyond •Find powers of 10 more than a given number •Read, write, partition, order and compare decimal numbers up to 3dp •Round decimals with 1 and 2dp to the nearest whole number and to 1dp •Multiply and divide numbers mentally drawing upon known facts •Multiply and divide any whole and decimal number by 10, 100, 1000 •Count on/back with positive and negative numbers, including through zero •Count on/back in fraction and decimal sequences (e.g. 2.5 or 1 ½ •Round any number to 1,000,000 and beyond to the nearest 10, 100, 1000, 10,000 and 100,000 •Add mentally a 5-digit number and 4- digit numbers (e.g. 15,345 + 2300) •Mentally add and subtract tenths and one-digit whole numbers and tenths •Find complements to 100. 1000, 10,000; £1.00, £5.00 and £10.00; and to 1 using 3dp •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 km, ml and L)