Year 5/6 Autumn Maths Plan



Numbers to 1,000	Lesson Step	Year 5	Lesson Step	Year 6				
Numbers to 10,000 2		<u>Week 1 - Place Value</u>						
Numbers to 100,000 3	1	Roman Numerals to 1,000	1	Roman Numerals to 1,000 - RECAP				
4 Numbers to 1,000,000 4 Number line to 10,000,000 5 Powers of 10 Week 2 - Place Value 6 Read and write numbers to 1,000,000 6 Read and Write numbers to 10,000,000 7 Compare and order numbers to 7 Compare and order any integer 1,000,000 8 Round within 10,000 8 Round writhin 1,000,000 9 Negative Numbers 9 Round within 1,000,000 10 Negative Numbers Week 3 - Place Value / Addition and Subtraction (Year 5) / Converting Units (Year 6) 11 Up to 100,000 more or less 11 Up to 100,000 more or less - RECAP 12 End of Block Assessment 12 End of Block Assessment 1 Add numbers with more than 4 digits operations (Year 6) 1 Add numbers with more than 4 digits operations (Year 6) 2 Subtract numbers with more than 4 digits operations (Year 6) 3 Inverse operations - + and - 2 Convert Metric Measures Week 4 - 4 Operations / Converting Units 4 Multi-step + and - Problems 3 Calculate with Metric Measures Week 4 - 4 Operations / Converting Units 4 Multi-step + and - Problems 3 Calculate with Metric Measures 5 Compare Calculations 4 Miles and Kilometres 6 Find missing numbers 5 Imperial Measures 7 + and - End of Block Assessment 6 End of Block Assessment 1 Multiples and Common Multiples 1 Common Multiples Week 5 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 2 Factors and Common Factors 2 Common Factors 3 Prime Numbers 3 Primes to 100 4 Square and Cube Numbers 5 Cube Numbers 5 Rules of Divisibility 6 Multiply by 10, 100 and 1,000 RECAP Multiply by 10, 100 and 1,000 - RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 7 Divide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 - RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 8 End of Block Assessment — M&D 6 Order of Operations	2	Numbers to 10,000	2	Numbers to 1,000,000				
Section	3	Numbers to 100,000	3	Numbers to 10,000,000				
Week 2 - Place Value	4	Numbers to 1,000,000	4	Number line to 10,000,000				
Read and write numbers to 1,000,000 6 Read and Write numbers to 10,000,000	5	Powers of 10	5	Powers of 10				
7 Compare and order numbers to 1,000,000 8 Round within 100,000 9 Round within 1,000,000 9 Negative Numbers Week 3 - Place Value / Addition and Subtraction (Year 5) / Converting Units (Year 6) 10 Up to 100,000 more or less 11 Up to 100,000 more or less 11 Up to 100,000 more or less - RECAP 12 End of Block Assessment 1 Add numbers with more than 4 digits operations) 2 Subtract numbers with more than 4 digits operations 3 Inverse operations - + and - 2 Convert Metric Measures Week 4 - 4 Operations / Converting Units 4 Multi-step + and - Problems 3 Calculate with Metric Measures 5 Compare Calculations 4 Miles and Kilometres 6 Find missing numbers 5 Imperial Measures 7 + and - End of Block Assessment 1 Multiples and Common Multiples 1 Common Multiples Week 5 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 2 Factors and Common Factors 2 Common Factors 3 Prime Numbers 5 Rules of Divisibility 6 Multiply by 10, 100 and 1,000 RECAP Multiply by 10, 100 and 1,000 - RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 7 Divide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 - RECAP Bend of Block Assessment - M&D 6 Order of Operations	Week 2 - Place Value							
1,000,000 Round within 100,000 Round within 1,000,000 Partition numbers to 1,000,000 Partition numbers to 1,000,000 Partition numbers to 1,000,000 Partition numbers to 1,000,000 Week 3 - Place Value / Addition and Subtraction (Year 5) / Converting Units (Year 6) Up to 100,000 more or less 11 Up to 100,000 more or less - RECAP 12 End of Block Assessment 12 End of Block Assessment 14 Add numbers with more than 4 digits operations 2 Subtract numbers with more than 4 digits operations 1 (Converting Units) Metric Measures Week 4 - 4 Operations / Converting Units 4 Multi-step + and - Problems 5 Compare Calculations 4 Miles and Kilometres 6 Find missing numbers 7 + and - End of Block Assessment 1 Multiples and Common Multiples Week 5 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 2 Factors and Common Factors 3 Prime Numbers 4 Square Audition RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) Public Numbers 5 Rules of Divisibility Meek 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) Public Numbers 6 Multiply by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 - RECAP Divide by 10, 100 and 1,000 - RECAP Divide by 10, 100 and 1,000 - RECAP End of Block Assessment - M&D Order of Operations	6	Read and write numbers to 1,000,000	6	Read and Write numbers to 10,000,000				
9 Round within 1,000,000 9 Negative Numbers 10 Partition numbers to 1,000,000 10 Negative Numbers Week 3 - Place Value / Addition and Subtraction (Year 5) / Converting Units (Year 6) 11 Up to 100,000 more or less 11 Up to 100,000 more or less - RECAP 12 End of Block Assessment 12 End of Block Assessment 1 Add numbers with more than 4 digits operations) 2 Subtract numbers with more than 4 1 (Converting Units) 3 Inverse operations - + and - 2 Convert Metric Measures Week 4 - 4 Operations / Converting Units 4 Multi-step + and - Problems 3 Calculate with Metric Measures 5 Compare Calculations 4 Miles and Kilometres 6 Find missing numbers 5 Imperial Measures 7 + and - End of Block Assessment 6 End of Block Assessment 1 Multiples and Common Multiples 1 Common Multiples Week 5 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 2 Factors and Common Factors 2 Common Factors 3 Prime Numbers 3 Primes to 100 4 Square Numbers 5 Rules of Divisibility 6 Multiply by 10, 100 and 1,000 RECAP Multiply and Divide (Year 5) / 4 Operations (Year 6) 7 Divide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 - RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 8 End of Block Assessment — M&D 6 Order of Operations	7	1	7	Compare and order any integer				
Partition numbers to 1,000,000	8	Round within 100,000	8	Round any number				
Week 3 - Place Value / Addition and Subtraction (Year 5) / Converting Units (Year 6)	9	Round within 1,000,000	9	Negative Numbers				
11 Up to 100,000 more or less 12 End of Block Assessment 13 End of Block Assessment 14 Add numbers with more than 4 digits 15 Operations) 16 Add numbers with more than 4 digits 17 Add and Subtract integers 18 Operations 19 Metric Measures 19 Convert Metric Measures 10 Converting Units 20 Convert Metric Measures 21 Converting Units 22 Convert Metric Measures 23 Convert Metric Measures 24 Multi-step + and - Problems 25 Compare Calculations 26 Find missing numbers 27 Hand - End of Block Assessment 28 End of Block Assessment 19 Multiples and Common Multiples 10 Common Multiples 11 Common Multiples 12 Common Multiples 13 Primes to 100 14 Square Numbers 15 Rules of Divisibility 16 Multiply by 10, 100 and 1,000 17 RECAP 18 End of Block Assessment (Year 5) / 4 Operations (Year 6) 19 Divide by 10, 100 and 1,000 10 RECAP 20 Divide by 10, 100 and 1,000 - RECAP 21 Divide by 10, 100 and 1,000 - RECAP 22 Divide by 10, 100 and 1,000 - RECAP 23 Divide by 10, 100 and 1,000 - RECAP 34 Divide by 10, 100 and 1,000 - RECAP 35 Divide by 10, 100 and 1,000 - RECAP 36 Divide by 10, 100 and 1,000 - RECAP 37 Divide by 10, 100 and 1,000 - RECAP 38 End of Block Assessment - M&D GOD - RECAP 39 Order of Operations	10	Partition numbers to 1,000,000	10	Negative Numbers				
12 End of Block Assessment 1 Add numbers with more than 4 digits operations) 2 Subtract numbers with more than 4 digits operations) 3 Inverse operations - + and - Week 4 - 4 Operations / Converting Units 4 Multi-step + and - Problems 5 Compare Calculations 4 Miles and Kilometres 6 Find missing numbers 5 Imperial Measures 7 + and - End of Block Assessment 6 End of Block Assessment 1 Multiples and Common Multiples 1 Common Multiples Week 5 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 2 Factors and Common Factors 2 Common Factors 3 Prime Numbers 3 Primes to 100 4 Square Numbers 4 Square and Cube Numbers 5 Cube Numbers 5 Rules of Divisibility 6 Multiply by 10, 100 and 1,000 RECAP Multiply by 10, 100 and 1,000 - RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 7 Divide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 - RECAP 8 End of Block Assessment - M&D 6 Order of Operations	Week 3 - Place Value / Addition and Subtraction (Year 5) / Converting Units (Year 6)							
Add numbers with more than 4 digits operations) 2 Subtract numbers with more than 4 digits operations) 3 Inverse operations - + and - 2 Convert Metric Measures Week 4 - 4 Operations / Converting Units 4 Multi-step + and - Problems 3 Calculate with Metric Measures 5 Compare Calculations 4 Miles and Kilometres 6 Find missing numbers 5 Imperial Measures 7 + and - End of Block Assessment 6 End of Block Assessment 1 Multiples and Common Multiples 1 Common Multiples Week 5 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 2 Factors and Common Factors 2 Common Factors 3 Prime Numbers 3 Primes to 100 4 Square Numbers 4 Square and Cube Numbers 5 Cube Numbers 5 Rules of Divisibility 6 Multiply by 10, 100 and 1,000 RECAP Multiply by 10, 100 and 1,000 - RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 7 Divide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 - RECAP 8 End of Block Assessment - M&D 6 Order of Operations	11	Up to 100,000 more or less	11	Up to 100,000 more or less - RECAP				
operations) Subtract numbers with more than 4 digits Inverse operations - + and - 2 Convert Metric Measures Week 4 - 4 Operations / Converting Units Multi-step + and - Problems 3 Calculate with Metric Measures Compare Calculations 4 Miles and Kilometres Find missing numbers 5 Imperial Measures Hand - End of Block Assessment 6 End of Block Assessment Multiples and Common Multiples 1 Common Multiples Week 5 - Multiply and Divide (Year 5) / 4 Operations (Year 6) Factors and Common Factors 2 Common Factors Prime Numbers 3 Primes to 100 Square Numbers 4 Square and Cube Numbers Cube Numbers 5 Rules of Divisibility Multiply by 10, 100 and 1,000 RECAP Multiply by 10, 100 and 1,000 - RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) Poivide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 - RECAP Bend of Block Assessment - M&D 6 Order of Operations	12	End of Block Assessment	12	End of Block Assessment				
digits Inverse operations - + and - Week 4 - 4 Operations / Converting Units 4 Multi-step + and - Problems 5 Compare Calculations 6 Find missing numbers 7 + and - End of Block Assessment 9 Multiples and Common Multiples 1 Common Multiples Week 5 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 2 Factors and Common Factors 3 Prime Numbers 4 Square Aumbers 5 Cube Numbers 5 Rules of Divisibility 6 Multiply by 10, 100 and 1,000 RECAP Multiply by 10, 100 and 1,000 - RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) Divide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 - RECAP Bend of Block Assessment - M&D 6 Order of Operations	1	Add numbers with more than 4 digits	•	Add and Subtract integers				
Week 4 - 4 Operations / Converting Units 4	2			Metric Measures				
4 Multi-step + and – Problems 3 Calculate with Metric Measures 5 Compare Calculations 4 Miles and Kilometres 6 Find missing numbers 5 Imperial Measures 7 + and – End of Block Assessment 6 End of Block Assessment 1 Multiples and Common Multiples 1 Common Multiples Week 5 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 2 Factors and Common Factors 2 Common Factors 3 Prime Numbers 3 Primes to 100 4 Square Numbers 4 Square and Cube Numbers 5 Cube Numbers 5 Rules of Divisibility 6 Multiply by 10, 100 and 1,000 RECAP Multiply by 10, 100 and 1,000 – RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 7 Divide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 – RECAP 8 End of Block Assessment – M&D 6 Order of Operations	3	Inverse operations - + and -	2	Convert Metric Measures				
5 Compare Calculations 4 Miles and Kilometres 6 Find missing numbers 5 Imperial Measures 7 + and – End of Block Assessment 6 End of Block Assessment 1 Multiples and Common Multiples 1 Common Multiples Week 5 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 2 Factors and Common Factors 2 Common Factors 3 Prime Numbers 3 Primes to 100 4 Square Numbers 4 Square and Cube Numbers 5 Cube Numbers 5 Rules of Divisibility 6 Multiply by 10, 100 and 1,000 RECAP Multiply by 10, 100 and 1,000 – RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 7 Divide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 – RECAP 8 End of Block Assessment – M&D 6 Order of Operations		Week 4 - 4 Operat	ions / Convertin	g Units				
Find missing numbers Find of Block Assessment Find of Block Assessment Find of Block Assessment Find of Block Assessment Multiples and Common Multiples Week 5 - Multiply and Divide (Year 5) / 4 Operations (Year 6) Factors and Common Factors Prime Numbers Prime Numbers Square Numbers Square Numbers Cube Numbers Multiply by 10, 100 and 1,000 RECAP Multiply by 10, 100 and 1,000 RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) Divide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 - RECAP Bend of Block Assessment - M&D Order of Operations	4	Multi-step + and – Problems	3	Calculate with Metric Measures				
7+ and - End of Block Assessment6End of Block Assessment1Multiples and Common Multiples1Common MultiplesWeek 5 - Multiply and Divide (Year 5) / 4 Operations (Year 6)2Factors and Common Factors2Common Factors3Prime Numbers3Primes to 1004Square Numbers4Square and Cube Numbers5Cube Numbers5Rules of Divisibility6Multiply by 10, 100 and 1,000RECAPMultiply by 10, 100 and 1,000 - RECAPWeek 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6)7Divide by 10, 100 and 1,000RECAPDivide by 10, 100 and 1,000 - RECAP8End of Block Assessment - M&D6Order of Operations	5	Compare Calculations	4	Miles and Kilometres				
1 Multiples and Common Multiples 1 Common Multiples Week 5 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 2 Factors and Common Factors 2 Common Factors 3 Prime Numbers 3 Primes to 100 4 Square Numbers 4 Square and Cube Numbers 5 Cube Numbers 5 Rules of Divisibility 6 Multiply by 10, 100 and 1,000 RECAP Multiply by 10, 100 and 1,000 – RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 7 Divide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 – RECAP 8 End of Block Assessment – M&D 6 Order of Operations	6	Find missing numbers	5	Imperial Measures				
Week 5 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 2 Factors and Common Factors 2 Common Factors 3 Prime Numbers 3 Primes to 100 4 Square Numbers 4 Square and Cube Numbers 5 Cube Numbers 5 Rules of Divisibility 6 Multiply by 10, 100 and 1,000 RECAP Multiply by 10, 100 and 1,000 – RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 7 Divide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 – RECAP 8 End of Block Assessment – M&D 6 Order of Operations	7	+ and – End of Block Assessment	6	End of Block Assessment				
2 Factors and Common Factors 2 Common Factors 3 Prime Numbers 3 Primes to 100 4 Square Numbers 4 Square and Cube Numbers 5 Cube Numbers 5 Rules of Divisibility 6 Multiply by 10, 100 and 1,000 RECAP Multiply by 10, 100 and 1,000 – RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 7 Divide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 – RECAP 8 End of Block Assessment – M&D 6 Order of Operations	1	Multiples and Common Multiples	1	Common Multiples				
3 Prime Numbers 3 Primes to 100 4 Square Numbers 4 Square and Cube Numbers 5 Cube Numbers 5 Rules of Divisibility 6 Multiply by 10, 100 and 1,000 RECAP Multiply by 10, 100 and 1,000 – RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 7 Divide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 – RECAP 8 End of Block Assessment – M&D 6 Order of Operations		Week 5 - Multiply and Divid	e (Year 5) / 4 Op	erations (Year 6)				
4 Square Numbers 5 Cube Numbers 5 Rules of Divisibility 6 Multiply by 10, 100 and 1,000 RECAP Multiply by 10, 100 and 1,000 – RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 7 Divide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 – RECAP 8 End of Block Assessment – M&D 6 Order of Operations	2	Factors and Common Factors	2	Common Factors				
5 Rules of Divisibility 6 Multiply by 10, 100 and 1,000 RECAP Multiply by 10, 100 and 1,000 – RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 7 Divide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 – RECAP 8 End of Block Assessment – M&D 6 Order of Operations	3	Prime Numbers	3	Primes to 100				
Multiply by 10, 100 and 1,000 RECAP Multiply by 10, 100 and 1,000 – RECAP Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) Divide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 – RECAP End of Block Assessment – M&D 6 Order of Operations	4	Square Numbers	4	Square and Cube Numbers				
Week 6 - Multiply and Divide (Year 5) / 4 Operations (Year 6) 7 Divide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 – RECAP 8 End of Block Assessment – M&D 6 Order of Operations	5	Cube Numbers	5	Rules of Divisibility				
7 Divide by 10, 100 and 1,000 RECAP Divide by 10, 100 and 1,000 – RECAP 8 End of Block Assessment – M&D 6 Order of Operations	6	Multiply by 10, 100 and 1,000	RECAP	Multiply by 10, 100 and 1,000 – RECAP				
8 End of Block Assessment – M&D 6 Order of Operations								
8 End of Block Assessment – M&D 6 Order of Operations	7	Divide by 10, 100 and 1,000	RECAP	Divide by 10, 100 and 1,000 – RECAP				
	8	•						
	9	Multiply 4 digits by 1 digit	7	,				

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10	Multiply 3 digits by 2 digits	DIGIT CARDS	Intelligent practice – 4-digits x 2 digits				
11	Multiply 4 digits by 2 digits	Maths.co.uk	Maths.co.uk on multiplication				
Week 7 - Multiply and Divide (Year 5) / 4 Operations (Year 6)							
12	Solve problems with multiplication	8	Solve Problems with Multiplication				
13	Divide 4 digits by 1 digit	9	Short Division				
14	Divide with Remainders	10	Introduction to Long Division				
15	Solve Problems with Division	11	Long Division with Remainders				
16	Solve Multi-Step Problems	12	Solve Problems with Division				
	Week 8	<u> – Fractions</u>					
17	End of Block Assessment	13	End of Block Assessment				
1	Find fractions equivalent to a unit fraction	1	Equivalent fractions and simplifying				
2	Find fractions equivalent to a non-unit fraction	2	Equivalent fractions on a number line				
3	Recognise equivalent fractions	RECAP	Recognise equivalent fractions				
4	Converting improper fractions to mixed number fractions	RECAP	Converting improper fractions to mixed number fractions				
'	Week 9	<u> – Fractions</u>					
5	Convert mixed numbers to improper fractions	RECAP	Convert mixed numbers to improper fractions				
YEAR 6	Compare and Order (Denominator)	3	Compare and Order (Denominator)				
YEAR 6	Compare and Order (Numerator)	4	Compare and Order (Numerator)				
6	Add and Subtract Fractions with the same denominator	5	Add and Subtraction simple Fractions				
7	Add fractions within 1	6	Add and Subtract any two fractions				
	Week 1	0 – Fractions					
12	Add to a mixed number	7	Add mixed numbers				
13	Add two mixed numbers	8	Subtract mixed numbers				
14	Subtract fractions	9	Subtract mixed numbers				
15	Subtract mixed numbers	10	Multi-step problems				
16	End of Block Assessment	11	End of Block Assessment				
Week 11 – Fractions B							
1	Multiply a unit fraction by an integer	1	Multiply fractions by integers				
2	Multiply a non-unit fraction by an integer	RECAP	Multiply a non-unit fraction by an integer - RECAP				
3	Multiply a mixed number by an integer	RECAP	Multiply a mixed number by an integer - RECAP				
YEAR 6	Multiply fractions by fractions – Year 6	2	Multiply fractions by fractions				
YEAR 6	Divide a fraction by an integer – Year 6	3	Divide a fraction by an integer				
	Week 12	- Fractions B					

YEAR 6	Divide any fraction by an integer – Year 6	4	Divide any fraction by an integer		
4	Calculate a fraction of a quantity	5	Mixed questions with fractions		
5	Fraction of an amount	6	Fraction of an amount		
6	Find the whole	7	Fraction of an amount – find the whole		
7	End of Block Assessment	8	End of Block Assessment		
Week 13 – Assessment Week					
1	Arithmetic Paper	1	Arithmetic Paper		
2	Problem Solving and Reasoning 1	2	Problem Solving and Reasoning 1		
3	Problem Solving and Reasoning 2	3	Problem Solving and Reasoning 2		
4	Consolidation	4	Consolidation		
5	Consolidation	5	Consolidation		