Arithmetic Progression Document

Rationale: As a school, we recognise the importance of fluency and mental skills in mathematics and this new approach will support children at Biscovey Academy in becoming more secure in their recall of the key facts for their year group, enabling them to approach more complex maths with confidence and flexibility.

What are Core Facts and why are they important? Core Facts are the most important facts that children need to securely learn and recall during their primary years. They include facts such as number bonds and multiplication facts. They are particularly useful when calculating, adding, subtracting, multiplying and dividing but also underpin many other areas of mathematics. For example, in order to find equivalent fractions in year 6, children need to be able to rapidly recall their knowledge of common multiples (numbers in particular times tables). When children have quick access to a bank of facts, which incur little cost to working memory, they have more capacity to think about more complex problems that draw on these facts. We have noticed that without regular rehearsal, these facts are forgotten so it is essential they are practised regularly and embedded in children's long-term memory so they can be recalled quickly and accurately.

Year 3 Autumn

Term	Strand	Day	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Autumn 1	**STRAND ONE** (Six weeks) **Focus for term:** + and – Written and mental	M	Use concrete or pictorial representations to mentally add a 2-digit number and ones	Use concrete or pictorial representations to mentally subtract a 2-digit number and ones	Use addition facts to 20 and derive and use related facts to 100	Recall the facts of the 2 times table	Recall the facts of the ten times table	Use arrays to multiply
		Tu	Counting in multiples of 10 and 100 from 0	Number bonds to 10	**Addition facts for multiples of 10 to 100.** 0 + 100 = 100, 10 + 90 = 100, 20 + 80 = 100, 30 + 70 = 100, 40 + 60 = 100 and 50 + 50 = 100		**Subtraction facts for multiples of 10 to 100.** 100 – 0, 100 – 10, 100 – 20, 100 – 30, 100 – 40, 100 – 50, 100 – 60. 100 – 70, 100 – 80, 100 – 90 and 100 – 100	
		W	Use concrete or pictorial representations to mentally add a 2-digit number and tens	Use concrete or pictorial representations to mentally subtract a 2-digit number and tens	Use subtraction facts to 20 and derive and use related facts to 100	Recall the facts of the five times table	Odd and even numbers	Consolidation
	Core Facts Focus: Counting and bonds.	Th	Counting in multiples of 10 and 100 from any number	Number bonds to 50	**Addition facts for multiples of 10 to 100.** 0 + 100 = 100, 10 + 90 = 100, 20 + 80 = 100, 30 + 70 = 100, 40 + 60 = 100 and 50 + 50 = 100		**Subtraction facts for multiples of 10 to 100.** 100 – 0, 100 – 10, 100 – 20, 100 – 30, 100 – 40, 100 – 50, 100 – 60. 100 – 70, 100 – 80, 100 – 90 and 100 - 100	
		F	Arithmetic half test Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic half test Retrieval Sumdog Times Tables
Autumn 2	**STRAND TWO** (Six weeks) **Focus for term:** Number facts x and ÷	M	3-digit + 1-digit	3-digit - 1-digit	3-digit + 10s	3-digit - 10s	3-digit + 100s	3-digit - 100s
		Tu	**DOUBLING** Complete Test 1 – identify any who didn't score over 30 and identify the barrier.	Doubling 4 plus revising previous facts Complete Test 2	Doubling 7 plus revising previous facts Complete Test 4	Doubling 9 plus revising previous facts Complete Test 6	**2 TIMES TABLE** Complete Test 1 – identify any who didn't score over 30 and identify the barrier.	2 times table to 9x2 commutative law Counting stick Complete Test 3
		W	3-digit + 1-digit Written formal methods	3-digit - 1-digit Formal written methods	3-digit + 10s Written formal methods	3-digit – 10s Written formal methods	3-digit + 100s Written formal methods	3-digit – 100s Written formal methods
	Core Facts Focus: Doubling. 2 times table facts	Th	Doubling 1, 2, 3, 5, 10 Complete Test 1	Doubling 6 plus revising previous facts Complete Test 3	Doubling 8 plus revising previous facts Complete Test 5	Doubling Complete Test 12	2 times table to 9x2 Counting stick Complete Test 2	2 times table to 9x2 inc division facts Complete Test 4
		F	Arithmetic half test Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic half test Retrieval Sumdog Times Tables

Year 3 Spring

Term	Strand	Day	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Spring 1	**STRAND THREE** (Five weeks) **Focus for term:** Written methods + and -	M	Multiplication facts for the 3 x table to 12 x 3 Counting stick	Multiplication facts for the 3 x table to 12 x 3 Counting stick	Multiplication facts for the 4 x table to 12 x 4 Counting stick	Division facts for the 4 x table to 12 x 4 Counting stick	Division facts for the 8 x table to 12 x 8 Counting stick	
		Tu	2 times table to 9x2 inc division facts Complete Test 5	2 times table to 9x2 inc division facts Complete Test 7	**SQUARE TIMES TABLES** Use counters to represent square numbers. Children to make and identify products to 2x2, 3x3, 4x4, 5x5 and 6x6. **Create flashcards**	Square times tables 2x2, 3x3, 4x4, 5x5 and 6x6. Complete Test 2	Square times tables Revise 7x7, 8x8 and 9x9 Complete Test 4	
		W	Division facts for the 3 x table to 12 x 3 Counting stick	Division facts for the 3 x table to 12 x 3 Counting stick	Multiplication facts for the 4 x table to 12 x 4 Counting stick	Division facts for the 4 x table to 12 x 4 Counting stick	Division facts for the 8 x table to 12 x 8 Counting stick	
	Core Facts Focus: 2 times table facts Square times tables facts	Th	2 times table to 9x2 inc division facts Complete Test 6	2 times table to 9x2 inc division facts Complete Test 8	**Use flashcards to revise previous facts.** Complete Test 1 – identify any who didn't score over 30 and identify the barrier.	Square times tables 7x7, 8x8 and 9x9 Complete Test 3 **Create flashcards for new facts.**	Square times tables All square numbers Complete Test 5	
		F	Arithmetic half test Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic half test Retrieval Sumdog Times Tables	
Spring 2	**STRAND FOUR** (Five weeks) **Focus for term:** Number facts x and ÷	M	3-digit and 1-digit addition effective strategies	3-digit and 2-digit subtraction written methods	3-digit and 3-digit addition written methods	Finding 10 more of any given number	Finding 100 more of any given number	
		Tu	Square times tables All square numbers Complete Test 6	Consolidation Revise all facts learned so far. Complete test 8	Consolidation Revise all facts learned so far. Complete test 10	**FIVE TIMES TABLE** Animations and independent practice. Counting stick to 6x5 Complete test 1 covering these facts and those previously learned	Revise facts to 6x5 on counting stick. Complete test 3.	
		W	3-digit and 1-digit addition effective strategies	3-digit and 2-digit subtraction written methods	3-digit and 3-digit subtraction written methods	Finding 10 less of any given number	Finding 100 less of any given number	
	Core Facts Focus: Square times table facts 5 times table facts	Th	Square times tables Complete Test 7 1st column – all square facts 2nd column – all 2 times table facts	Consolidation Revise all facts learned so far. Complete test 9	Consolidation Revise all facts learned so far. Complete test 11	Counting stick to 6x5 Complete test 2	Revise facts to 6x5 on counting stick. Introduce 7x5, 8x5, 9x5. Complete test 4.	
		F	Arithmetic half test Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic half test Retrieval Sumdog Times Tables	

Year 3 Summer

Term	Strand	Day	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Summer 1	**STRAND FIVE** (Six weeks) **Focus for term:**	M	Count up in tenths	Tenths arise from dividing an object into ten equal parts.	Add fractions with the same denominator	Subtract fractions with the same denominator	Consolidation	
		Tu	Revise 6x5, 7x5, 8x5 and 9x5 on counting stick. Complete test 5.	All facts learned so far. Complete test 7.	All facts learned so far. Complete test 8. Could use conceptual activities if level of fluency is good.	**CONSOLIDATION** Daily practice. Complete test 1	Daily practice. Complete test 3	Times Table Rockstars covering all facts learned
		W	Count back in tenths	Divide one digit number by 10.	Add fractions with the same denominator	Subtract fractions with the same denominator	Consolidation	
	Core Facts Focus: Five times table Consolidation of all taught facts.	Th	Revise all 5 times table facts on counting stick. Complete test 6.	All facts learned so far. Complete test 8. Could use conceptual activities if level of fluency is good.	All facts learned so far. Complete test 8. Could use conceptual activities if level of fluency is good.	Daily practice. Complete test 2	Daily practice. Complete test 4	Times Table Rockstars covering all facts learned.
		F	Arithmetic half test Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic half test Retrieval Sumdog Times Tables
Summer 2	**STRAND SIX** (Six weeks) **Focus for term:**	M	Count in multiples of 6 from 0	Count in multiples of 7 from 0	Count in multiples of 9 from 0	Count in multiples of 25 from 0	Count in multiples of 1000 from 0	Consolidation
		Tu	Daily practice. Complete test 5	Daily practice. Complete test 6	Daily practice. Complete test 7	Daily practice. Complete test 8	Daily practice. Complete test 9	Daily practice. Complete test 10
		W	Count in multiples of 6 from any number	Count in multiples of 7 from any number	Count in multiples of 9 from any number	Count in multiples of 25 from any number	Count in multiples of 1000 from any number	Consolidation
	Core Facts Focus: Consolidation of all taught facts	Th	Times Table Rockstars covering all facts learned	Times Table Rockstars covering all facts learned	Times Table Rockstars covering all facts learned	Times Table Rockstars covering all facts learned	Times Table Rockstars covering all facts learned	Times Table Rockstars covering all facts learned
		F	Arithmetic half test Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic half test Retrieval Sumdog Times Tables

Year 4 Autumn

Term	Strand	Day	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Autumn 1	**STRAND ONE** (Six weeks) **Focus for term:** + and – Written and mental	M	4-digit + tens	4-digit + hundreds	4-digit + thousands	Find 10 more than any given number including counting through 0 from a negative number	Find 100 more than any given number including counting through 0 from a negative number	Find 1000 more than any given number including counting through 0 from a negative number
		Tu	Retrieve 2 times table facts Complete test 1 Identify those unable to score 35 and identify the barrier,	Retrieve All square times table facts Complete test 3 Identify those unable to score 35 and identify the barrier,	Retrieve All facts learned within Y3 Complete test 5	**3 TIMES TABLE** Complete Test 1 – identify any who didn't score over 20 and identify the barrier.	3 times table to 6x3 Counting stick Complete Test 3 including all facts learned so far (2nd column)	All three times table facts using counting stick Complete test 5
		W	4-digit - tens	4-digit - hundreds	4-digit - thousands	Find 10 less than any given number including counting through 0 into negative numbers	Find 100 less than any given number including counting through 0 into negative numbers	Find 1000 less than any given number including counting through 0 into negative numbers
	Core Facts Focus:	Th	Retrieve 2 times table facts with division Complete test 2 Identify those unable to score 35 and identify the barrier,	Retrieve 5 times table facts with division Complete test 4 Identify those unable to score 35 and identify the barrier,	Retrieve All facts learned within Y3 Complete test 6	3 times table to 6x3 Counting stick Complete Test 2 including all facts learned so far (2nd column)	7x3, 8x3 and 9x3 Counting stick Complete Test 4 covering all 3 x table and all facts learned so far (2nd column)	All three times table facts using counting stick Complete test 6
		F	Arithmetic half test Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic half test Retrieval Sumdog Times Tables
Autumn 2	**STRAND TWO** (Six weeks) **Focus for term:** Number facts x and ÷	M	Multiplying by 1	Multiplying by 0	Use known facts to multiply mentally	Factor pairs	2-digit x 1-digit	3-digit x 1-digit
		Tu	All three times table facts using counting stick Complete test 7	**4 TIMES TABLE** Complete Test 1 – identify any who didn't score over 20 and identify the barrier.	4 times table to 6x4 using a counting stick. Complete test 2	7x4, 8x4 and 9x4 using a counting stick. Complete test 4 and all facts learned so far (2nd column)	All 4 x table facts. Complete test 6	All three times table facts using counting stick Complete test 8
		W	Dividing by 1	Use known facts to divide mentally	Using commutativity in mental calculations	2-digit x 1-digit	3-digit x 1-digit	Consolidation
	Core Facts Focus:	Th	All facts learned so far Complete test 8	4 times table to 6x4 using a counting stick. Complete test 2.	7x4, 8x4 and 9x4 using a counting stick. Complete test 3 and all facts learned so far (2nd column)	7x4, 8x4 and 9x4 using a counting stick. Complete test 5 and all facts learned so far (2nd column)	All 4 x table facts. Complete test 7 and all facts learned so far (2nd column)	All three times table facts using counting stick Complete test 9
		F	Arithmetic half test Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic half test Retrieval Sumdog Times Tables

Year 4 Spring

Term	Strand	Day	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Spring 1	**STRAND THREE** (Five weeks) **Focus for term:** Written methods + and -	M	Multiplying three 1-digit numbers	Consolidation	Count in multiples of 25	Count in multiples of 6	Count in multiples of 9	
		Tu	**6 TIMES TABLE** Complete Test 1 – identify any who didn't score over 20 and identify the barrier.	6 times table to 6x6 using a counting stick. Complete test 2	7x6, 8x6 and 9x6 using a counting stick. Complete test 4 and all facts learned so far (2nd column)	**7 TIMES TABLE** Complete Test 1 – identify any who didn't score over 20 and identify the barrier.	All 7 times table facts Complete test 3.	
		W	Multiplying three 1-digit numbers	Consolidation	Count in multiples of 1000	Count in multiples of 7	Consolidation	
	Core Facts Focus: 3 x table to 12 x 3	Th	6 times table to 6x6 using a counting stick. Complete test 2.	7x6, 8x6 and 9x6 using a counting stick. Complete test 3	All 6 times table facts Complete test 5.	7 times table 8x7 and 9x7 using a counting stick. Complete test 2.	All 7 times table facts Complete test 4.	
		F	Arithmetic half test Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic half test Retrieval Sumdog Times Tables	
Spring 2	**STRAND FOUR** (Five weeks) **Focus for term:** Number facts x and ÷	M	Count up in hundredths	Tenths = a number divided by ten	Add fractions with the same denominator	1-digit numbers divided by 10	2-digit numbers divided by 10	
		Tu	All 7 times table facts Complete test 5.	**8 TIMES TABLE** Complete Test 1 – identify any who didn't score over 20 and identify the barrier.	All 8 times table facts Complete test 3.	**9 TIMES TABLE** Complete Test 1 – identify any who didn't score over 20 and identify the barrier.	All 9 times table facts Complete test 3.	
		W	Count down in hundredths	Hundredths = a number divided by 100	Subtract fractions with the same denominator	1-digit numbers divided by 100	2-digit numbers divided by 100	
	Core Facts Focus: 4 x table to 12 x 4	Th	All facts learned so far Complete test 6.	8 times table use a counting stick to cover all facts but highlight 9x8 as a new fact. Complete test 2.	All 8 times table facts. Complete test 4 and all facts learned so far (2nd column)	9 times table use a counting stick to cover all facts which should be known. Complete test 2.	All 9 times table facts. Complete test 4 and all facts learned so far (2nd column)	
		F	Arithmetic half test Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic half test Retrieval Sumdog Times Tables	

Year 4 Summer

Term	Strand	Day	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Summer 1	**STRAND FIVE** (Six weeks) **Focus for term:** Fractions and Decimals	**M**	2 times table to 12x2	3 times table to 12x3	4 times table to 12x4	5 times table to 12x5	6 times table to 12x6	7 times table to 12x7
		Tu	All facts learned so far Complete test 1.	**SQUARE TIMES TABLES pt2** 10x10, 11x11 and 12x12 Complete test 2 inc previously taught facts in 2nd column.	11x10, 12x10 and 12x11 Complete test 2 inc previously taught facts in 2nd column.	12x6, 12x7, 12x8 and 12x9 on counting stick. Complete test 2 inc previously taught facts in 2nd column.	All 12 times table facts using a counting stick. Complete test 4.	Times Table Rock Stars to cover all facts to 12x12 Focus group children if necessary.
		W	8 times table to 12x8	9 times table to 12x9	10 times table to 12x10	11 times table to 12x11	12 times table to 12x12	Consolidate
	Core Facts Focus: 8 x table to 12 x 8	**Th**	**SQUARE TIMES TABLES pt2** 10x10, 11x11 and 12x12 Complete test 2 inc previously taught facts in 2nd column.	**10 and 11 TIMES TABLES** 11x10, 12x10 and 12x11 Complete test 1	**12 TIMES TABLE** 12x3, 12x4, 12x5 on counting stick. Complete test 1 inc previously taught facts in 2nd column.	12x6, 12x7, 12x8 and 12x9 on counting stick. Complete test 3 inc previously taught facts in 2nd column.	Times Table Rock Stars to cover all facts to 12x12 Focus group children if necessary.	Times Table Rock Stars to cover all facts to 12x12 Focus group children if necessary.
		F	Arithmetic half test Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic half test Retrieval Sumdog Times Tables
Summer 2	**STRAND SIX** (Six weeks) **Focus for term:** Counting	**M**	MTC preparation	Review and consolidation				
		Tu	Times Table Rock Stars to cover all facts to 12x12 Focus group children if necessary.	Preparing children for the MTC	Daily consolidation practice Complete book 1	Daily consolidation practice Complete book 2	Daily consolidation practice Complete book 3	Daily consolidation practice Complete book 4
		W	MTC preparation	Review and consolidation				
	Core Facts Focus: Counting and retrieving known bonds.	**Th**	Times Table Rock Stars to cover all facts to 12x12 Focus group children if necessary.	Preparing children for the MTC	Times Table Rock Stars to cover all facts to 12x12	Times Table Rock Stars to cover all facts to 12x12	Times Table Rock Stars to cover all facts to 12x12	Times Table Rock Stars to cover all facts to 12x12
		F	Arithmetic half test Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic half test Retrieval Sumdog Times Tables

Year 5 Autumn

Term	Strand	Day	Week 1	Week 2	We6k 3	Week 4	Week 5	Week 6
Autumn 1	**STRAND ONE** (Six weeks) **Focus for term:** + and – Written and mental	M	3-digit + tens	4-digit + tens	4-digit + hundreds	4-digit + thousands	Consolidation	Consolidation
		Tu	Daily consolidation practice Complete book 1	Daily consolidation practice Complete book 2 Create focus groups if necessary	Daily consolidation practice Complete book 3	Daily consolidation practice Complete book 4 Create focus groups if necessary	Daily consolidation practice Complete book 5	Daily consolidation practice Complete book 6 Create focus groups if necessary
		W	3-digit - tens	4-digit - tens	4-digit - hundreds	4-digit - thousands	Consolidation	Consolidation
	Core Facts Focus: Counting.	Th	Times Table Rockstars	Conceptual understanding animation slides - GROUPITISING	Times Table Rockstars	Conceptual understanding animation slides – IS IT A MULTIPLE?	Times Table Rockstars	Conceptual understanding animation slides – COUNTING STICK
		F	Arithmetic half test Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic half test Retrieval Sumdog Times Tables
Autumn 2	**STRAND TWO** (Six weeks) **Focus for term:** Number facts x and ÷	M	Identify the multiples of a number	Identify the factors of a number	Establish if a number is prime. (Recall prime numbers up to 19).	Establish if a number is composite	Consolidation	Consolidation
		Tu	Daily consolidation practice Complete book 7 Create focus groups if necessary	Daily consolidation practice Complete book 8	Daily consolidation practice Complete book 9 Create focus groups if necessary	Daily consolidation practice Complete book 10	Daily consolidation practice Complete book 11 Create focus groups if necessary	Daily consolidation practice Complete book 12
		W	Identify the common multiples between two numbers	Identify the factor pairs of a number	Identify prime numbers up to 100	Prime factors	Consolidation	Consolidation
	Core Facts Focus: Recalling the multiplication facts for the 2, 5 and 10 times table.	Th	Times Table Rockstars	Conceptual understanding animation slides – FACTOR FAMILIES	Times Table Rockstars	Conceptual understanding animation slides – MULTIPLE VENN	Times Table Rockstars	Conceptual understanding animation slides – FACTOR VENN
		F	Arithmetic half test Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic half test Retrieval Sumdog Times Tables

Year 5 Spring

Term	Strand	Day	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Spring 1	**STRAND THREE** (Five weeks) **Focus for term:** Written and mental methods x and ÷	M	Multiply, including decimals, by 10	Multiply, including decimals, by 1000	Divide, including decimals, by 100	3-digit by 1-digit multiplication	3-digit by 1-digit division	
		Tu	Daily consolidation practice Complete book 13 Create focus groups if necessary	Daily consolidation practice Complete book 14	Daily consolidation practice Complete book 15 Create focus groups if necessary	Daily consolidation practice Complete book 16	Daily consolidation practice Complete book 17 Create focus groups if necessary	
		W	Multiply, including decimals, by 100	Divide, including decimals, by 10	Divide, including decimals, by 1000	3-digit by 1-digit division	Consolidation	
	Core Facts Focus:	Th	Times Table Rockstars	Conceptual understanding animation slides – TIMES BY A TEEN	Times Table Rockstars	Conceptual understanding animation slides – HUNDRED SQUARE	Times Table Rockstars	
		F	Arithmetic half test Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic half test Retrieval Sumdog Times Tables	
Spring 2	**STRAND FOUR** (Five weeks) **Focus for term:** Written and mental methods x and ÷	M	3-digit by 1-digit multiplication and division retrieval	3-digit by 2-digit division	4-digit by 1-digit multiplication	4-digit by 1-digit division with remainders	4-digit by 1-digit division	
		Tu	Daily consolidation practice Complete book 18 Create focus groups if necessary	Daily consolidation practice Complete book 19	Daily consolidation practice Complete book 20 Create focus groups if necessary	Daily consolidation practice Complete book 21	Daily consolidation practice Complete book 22 Create focus groups if necessary	
		W	3-digit by 2-digit multiplication	3-digit by 2-digit division with remainders	4-digit by 1-digit division	4-digit by 2-digit multiplication	Consolidation	
	Core Facts Focus:	Th	Times Table Rockstars	Conceptual understanding animation slides – ONE-STEP MONEY CALCULATIONS	Times Table Rockstars	Conceptual understanding animation slides – TWO-STEP MONEY CALCULATIONS	Times Table Rockstars	
		F	Arithmetic half test Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic half test Retrieval Sumdog Times Tables	

Year 5 Summer

Term	Strand	Day	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Summer 1	STRAND FIVE (Six weeks) **Focus for term:** Fractions and Decimals	M	Convert from improper fractions to mixed number	Add mixed number fractions	Add improper fractions – same denominator	Add mixed number fractions – different denominators	Add improper fractions – different denominator	Add fractions – denominators are a multiple of then same number
		Tu	Daily consolidation practice Complete book 23 Create focus groups if necessary	Conceptual understanding animation slides – UNIT FRACTIONS OF AMOUNTS - TEACHING	Daily consolidation practice Complete book 24 Create focus groups if necessary	Conceptual understanding animation slides –NON-UNIT FRACTION OF AMOUNTS – TEACHING	Daily consolidation practice Complete book 25 Create focus groups if necessary	Daily consolidation practice Complete book 26 Create focus groups if necessary
		W	Convert from improper fractions to mixed number	Add mixed number fractions	Add improper fractions – same denominator	Add mixed number fractions – different denominators	Add improper fractions – different denominator	Subtract fractions – denominators are a multiple of then same number
	Core Facts Focus: 8 x table to 12 x 8	Th	Times Table Rockstars	Conceptual understanding animation slides – UNIT FRACTIONS OF AMOUNTS - PRACTICE	Times Table Rockstars	Conceptual understanding animation slides – NON-UNIT FRACTIONS OF AMOUNTS - PRACTICE	Times Table Rockstars	Conceptual understanding animation slides – FOUR SQUARE
		F	Arithmetic half test Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic half test Retrieval Sumdog Times Tables
Summer 2	STRAND SIX (Six weeks) **Focus for term:**	M	Efficient ways of multiplying	Multiply by 10, 100 and 1000	Review and consolidation			
		Tu	Daily consolidation practice Complete book 27 Create focus groups if necessary	Daily consolidation practice Complete book 28	Daily consolidation practice Complete book 29 Create focus groups if necessary	Daily consolidation practice Complete book 30	Times Table Rockstars	Times Table Rockstars
		W	Efficient ways of multiplying	Divide by 10, 100 and 1000	Review and consolidation			
	Core Facts Focus: Counting and retrieving known bonds.	Th	Conceptual understanding animation slides – UNIT FRACTIONS OF AMOUNTS - PRACTICE	Times Table Rockstars	Times Table Rockstars	Times Table Rockstars	Times Table Rockstars	Times Table Rockstars
		F	Arithmetic half test Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic half test Retrieval Sumdog Times Tables

Year 6 Autumn

Term	Strand	Day	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Autumn 1	**STRAND ONE** (Six weeks) **Focus for term:** + and – Written and mental	M	Consolidation of skills: 4-digit + 3 and 4-digits	Consolidation of skills: 4-digit – 3 and 4-digits	Negative numbers in context	Negative numbers: Calculate intervals across 0	Perform mixed operation calculations	Perform mixed operation calculations including square/cubed numbers
		Tu	Times Table Rockstars to cover all facts to 12x12	Times Table Rockstars to cover all facts to 12x12	Times Table Rockstars to cover all facts to 12x12	Times Table Rockstars to cover all facts to 12x12	Times Table Rockstars to cover all facts to 12x12	Times Table Rockstars to cover all facts to 12x12
		W	Consolidation of skills: 4-digit + 3 and 4-digits	Consolidation of skills: 4-digit – 3 and 4-digits	Negative numbers in context	Negative numbers: Calculate intervals across 0	Perform mixed operation calculations	Perform mixed operation calculations including square/cubed numbers
	Core Facts Focus: Efficient methods	Th	Daily consolidation practice Complete book 1	Daily consolidation practice Complete book 2 Create focus groups if necessary	Daily consolidation practice Complete book 3	Daily consolidation practice Complete book 4 Create focus groups if necessary	Daily consolidation practice Complete book 5	Daily consolidation practice Complete book 6 Create focus groups if necessary
		F	Arithmetic Practice Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic Practice Sumdog Times Tables
Autumn 2	**STRAND TWO** (Six weeks) **Focus for term:** Number facts x and ÷	M	Consolidation of skills: Identify common factors	Consolidation of skills: Identify prime numbers	Consolidation of skills: 3 and 4-digit x 2-digit	Consolidation of skills: 3 and 4-digit ÷ 2-digit	Consolidation of skills: 4-digit ÷ 2-digit indicating remainders	Consolidation of skills: Multiply by 10, 100 and 1000
		Tu	Times Table Rockstars to cover all facts to 12x12	Times Table Rockstars to cover all facts to 12x12	Times Table Rockstars to cover all facts to 12x12	Times Table Rockstars to cover all facts to 12x12	Times Table Rockstars to cover all facts to 12x12	Times Table Rockstars to cover all facts to 12x12
		W	Consolidation of skills: Identify common multiples	Consolidation of skills: 1-digit x 3-digit	Consolidation of skills: 3 and 4-digit x 2-digit	Consolidation of skills: 3 and 4-digit ÷ 2-digit	Consolidation of skills: 4-digit ÷ 2-digit indicating remainders	Consolidation of skills: Divide by 10, 100 and 1000
	Core Facts Focus:	Th	Daily consolidation practice Complete book 7	Daily consolidation practice Complete book 8 Create focus groups if necessary	Daily consolidation practice Complete book 9	Daily consolidation practice Complete book 10 Create focus groups if necessary	Daily consolidation practice Complete book 11	Daily consolidation practice Complete book 12 Create focus groups if necessary
		F	Arithmetic Practice Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic Practice Sumdog Times Tables

Year 6 Spring

Term	Strand	Day	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Spring 1	**STRAND THREE** (Five weeks) **Focus for term:** Fractions, Decimals and Percentages	**M**	Consolidation of skills: Multiply a proper fraction by whole number	Consolidation of skills: Divide proper fractions by whole number	Consolidation of skills: Multiply proper fractions by a fraction	Consolidation of skills: Divide proper fractions by a fraction	Consolidation of skills: Multiply one-digit number, with up to 2dp, by whole numbers	
		Tu	Times Table Rockstars to cover all facts to 12x12	Times Table Rockstars to cover all facts to 12x12	Times Table Rockstars to cover all facts to 12x12	Times Table Rockstars to cover all facts to 12x12	Times Table Rockstars to cover all facts to 12x12	
		W	Consolidation of skills: Multiply a proper fraction by whole number	Consolidation of skills: Divide proper fractions by whole number	Consolidation of skills: Multiply proper fractions by a fraction	Consolidation of skills: Divide proper fractions by a fraction	Consolidation of skills: Multiply one-digit number, with up to 2dp, by whole numbers	
	Core Facts Focus:	**Th**	Daily consolidation practice Complete book 13	Daily consolidation practice Complete book 14 Create focus groups if necessary	Daily consolidation practice Complete book 15	Daily consolidation practice Complete book 16 Create focus groups if necessary	Daily consolidation practice Complete book 17	
		F	Arithmetic Practice Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic Practice Sumdog Times Tables	
Spring 2	**STRAND FOUR** (Five weeks) **Focus for term:** Fractions, Decimals and Percentages	**M**	Consolidation of skills: Multiply decimals by 10, 100 and 1000	Consolidation of skills: Multiply decimals of up to 2dp by whole numbers	Consolidation of skills: Find a percentage of an amount	Teacher identified objectives to consolidate		
		Tu	Times Table Rockstars to cover all facts to 12x12	Times Table Rockstars to cover all facts to 12x12	Times Table Rockstars to cover all facts to 12x12	Times Table Rockstars to cover all facts to 12x12	Times Table Rockstars to cover all facts to 12x12	
		W	Consolidation of skills: Divide decimals by 10, 100 and 1000	Consolidation of skills: Multiply decimals of up to 2dp by whole numbers	Consolidation of skills: Find a percentage of an amount	Teacher identified objectives to consolidate		
	Core Facts Focus:	**Th**	SATS Arithmetic preparation					
		F	Arithmetic Practice Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Retrieval Sumdog Times Tables	Arithmetic Practice Sumdog Times Tables	