

Arithmetic Curriculum at Southfield Primary Academy

Year 3

	Autumn	Spring	Summer
1	- Count in multiples of 2, 5 & 10 - Times Tables mixed 2, 5 & 10 - Number bonds to 10 & 20 e.g. $? + 7 = 10$ and $10 - ? = 2$ $? + 7 = 20$ and $20 - ? = 13$	- Count in multiples of 2, 5 & 10 - Times Tables and division facts 2, 5, 3, 8 & 10 - Gap Analysis lessons	- Count in multiples of 4 & 8 - Times Tables and division facts 2, 5, 3, 4 8 & 10 - One lesson completing TT Rockstars (Garage only) - Subtract fractions with the same denominator within one whole [for example, $5/7 - 1/7 = 4/7$] – up to tenths
2	- Count in multiples of 2, 5 & 10 - Times Tables mixed 2, 5 & 10 - Complements to 100	- Count in multiples of 25 - Count in multiples of 4 and 8 - Times Tables and division facts 2, 5, 3, 8 & 10 - Mixed addition and subtractions including missing numbers	- Count in multiples of 3 & 8 - Times Tables and division facts 2, 5, 3, 4 8 & 10 - One lesson completing TT Rockstars (Garage only) - Add and Subtract fractions within 1 with missing numbers, eg $1/5 + ?/5 = 4/5$
3	- Count in multiples of 2, 5 & 10 - Times Tables and Division mixed 2, 5 & 10 - Find 10, 100 more and less than 2 and 3 digit numbers	- Count in multiples 25, 50 & 100 - Times Tables and division facts 2, 5, 3, 8 & 10 - Mixed addition and subtractions including missing numbers	- Count in multiples of 2, 100, 5 - Times Tables and division facts 2, 5, 3, 4 8 & 10 - One lesson completing TT Rockstars (Garage only) - Compare and order unit fractions using $< >$ up to tenths
4	- Count in multiples of 2, 4 and 8 - Times Tables and Division mixed 2, 5 & 10 - Add & subtract ones and tens (no regrouping)	- Count in multiples of 2, 4 and 8 - Times Tables and division facts 2, 5, 3, 8 & 10 - Fractions of amounts $1/3$ $1/4$ $3/4$ $1/2$	- Count in multiples of 2, 4 and 8 - Times Tables and division facts 2, 5, 3, 4 8 & 10 - One lesson completing TT Rockstars (Garage & Soundcheck) - Compare and order non unit fractions (same numerator 2 days, different numerators 3 days) – up to tenths
5	- Count in multiples of 3 - Times Tables 2, 5, 3 & 10 - Add & subtract ones (regrouping)	- Count in multiples 25, 50 & 100 - Times Tables and division facts 2, 5, 3, 8 & 10 - Count and combine money to £1	- Count in multiples of 25, 50 & 100 - Times Tables and division facts 2, 5, 3, 4 8 & 10 - Partition a whole number into 2 or more fractions (same denominator up to tenths)
6	- Count in multiples of 50 and 100 - Times Tables 2, 5, 3 & 10 - Add & subtract tens (regrouping)	- Count in multiples of 3 & 47 - Times Tables and division facts 2, 5, 3, 8 & 10 - Count and combine money £10	- Count in multiples of 50 and 100 - Times Tables and division facts 2, 5, 3, 4 8 & 10 - One lesson completing TT Rockstars (Garage & Soundcheck) - Partition a whole number into 2 or more fractions (same denominator up to tenths)
7	- Count in multiples of 8 - Times Tables 2, 5, 3, 8 & 10 - Add and subtract 100s (no regrouping and regrouping)		
HALF TERM			

1	- Count in multiples of 10 & 100 - Times Tables 2, 5, 3, 8 & 10 - Add and subtract 100s (no regrouping and regrouping)	- Count in multiples of 2 and 4 - Times Tables and division facts 2, 5, 3, 4 8 & 10 - One lesson completing TT Rockstars (Garage only) - Change with money	- Count in multiples of 5 and 10 - Times Tables and division facts 2, 5, 3, 4 8 & 10 - One lesson completing TT Rockstars (Garage & Soundcheck) - Find fractions of an amount (unit fractions $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{1}{8}$, $\frac{1}{10}$) - Testbase Assessment
2	- Count in multiples of 2 and 4 - Times Tables and division facts 2, 5, 3, 8 & 10 - Add 3 digit numbers (Day 1 – no regrouping, day 2 – regroup ones only, day 3 – regroup tens only, day 4 – regroup hundreds only, day 5 regroup in multiple columns)	- Count in multiples of 3, 4 & 8s - Times Tables and division facts 2, 5, 3, 4 8 & 10 - One lesson completing TT Rockstars (Garage only) - Count in quarters, halves and thirds – place quarters and halves on a number line (incl greater than 1)	- Count in multiples of 2 and 4 - Times Tables and division facts 2, 5, 3, 4 8 & 10 - One lesson completing TT Rockstars (Garage & Soundcheck) - Find fractions of an amount up to tenths (non-unit fractions)
3	- Count in multiples of 4 and 8 - Times Tables and division facts 2, 5, 3, 8 & 10 - Subtract 3 digit numbers – No Regrouping	- Count in multiples of 4 and 8 - Times Tables and division facts 2, 5, 3, 4 8 & 10 - One lesson completing TT Rockstars (Garage only) - Add and subtract halves (including from whole numbers)	- Count in multiples of 2 and 4 - Times Tables and division facts 2, 5, 3, 4 8 & 10 - One lesson completing TT Rockstars (Garage & Soundcheck) - Find the total in coins – money up to £5
4	- Count in multiples of 3, 4 & 8s - Times Tables and division facts 2, 5, 3, 8 & 10 - Subtract 3 digit numbers (Day 1 – zero in ones column regrouping, day 2 – zero in tens column, day 3 – zero in hundreds column, day 4 & 5 zeros in multiple columns)	- Count in multiples of 2, 4 and 8 - Times Tables and division facts 2, 5, 3, 4 8 & 10 - One lesson completing TT Rockstars (Garage only) - Add and subtract quarters (including from whole numbers and halves equal to and greater than 1)	- Count in multiples of 2, 4 and 8 - Count in multiples of 2 and 4 - Times Tables and division facts 2, 5, 3, 4 8 & 10 - One lesson completing TT Rockstars (Garage & Soundcheck) - Add money up to £9.99
5	- Count in multiples of 10 and 100 - Times Tables and division facts 2, 5, 3, 8 & 10 - Finding $\frac{1}{2}$ $\frac{1}{4}$ and $\frac{3}{4}$ of 2 digit numbers	- Count in multiples of 25, 50 and 100 - Times Tables and division facts 2, 5, 3, 4 8 & 10 - One lesson completing TT Rockstars (Garage only) - Add fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$] – up to tenths	- Count in multiples of 10 and 100 - Count in multiples of 2 and 4 - Times Tables and division facts 2, 5, 3, 4 8 & 10 - One lesson completing TT Rockstars (Garage & Soundcheck) - Subtract money within £9.99
6	- Count in multiples of 50 and 100 - Times Tables x2 Inc division facts - Mixed addition and subtractions including missing numbers	- Count in multiples of 3, 4 & 8s - Times Tables and division facts 2, 5, 3, 4 8 & 10 - Review topics (3 lessons) - Testbase Assessment	- Count in multiples of 50 and 100 - Times Tables x3, 4 & 8 Inc division facts - Gap analysis
7	- Review topics (3 lessons) - Testbase Assessment		

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Year 4

	Autumn	Spring	Summer
1	- Count in multiples of 4 and 8 - Times Tables mixed 2, 3, 4, 5 & 8 1 lesson of TT Rockstars (no pressing enter) - compliments to 100	- Count in multiples of 8 - Times Tables mixed 2, 3, 4, 5, 6, 7 & 8 1 lesson of TT Rockstars (no pressing enter) 1 lesson of TT Rockstars (no pressing enter) - Compare and order unit fractions using $<$ $>$ up to tenths	- Count in multiples of 25 - Times Tables including division facts (all) 1 lesson of TT Rockstars - Place mixed numbers on a number line
2	- Count in multiples of 6 - Times Tables mixed 2, 3, 4, 5, 6 & 8 1 lesson of TT Rockstars (no pressing enter) - Multiply by 1, divide by 1, multiply by 0 and divide by zero (teach that no written method is needed)	- Count in multiples of 7 - Times Tables mixed 2, 3, 4, 5, 6, 7 & 8 1 lesson of TT Rockstars (no pressing enter) - enter) - Compare and order non unit fractions (same numerator 2 days, different numerators 3 days) – up to tenths	- Count in multiples of 1000 - Times Tables including division facts (all) 1 lesson of TT Rockstars - Compare and order mixed numbers
3	- Count in multiples of 3 & 6 - Times Tables mixed 2, 3, 4, 5, 6 & 8 1 lesson of TT Rockstars (no pressing enter) - Add 4 digit numbers (Day 1 –no regrouping, day 2 – regroup in ones only, day 3 – regroup in tens only	- Count in multiples of 6 & 7 - Times Tables mixed 2, 3, 4, 5, 6, 7 & 8 1 lesson of TT Rockstars (no pressing enter) 1 lesson of TT Rockstars (no pressing enter) - Place a range of fractions on a number line including greater than one.	- Count in multiples of 3 and 6 - Times Tables including division facts (all) 1 lesson of TT Rockstars - Convert mixed numbers to improper fractions
4	- Count in multiples of 3 & 6 - Times Tables mixed 2, 3, 4, 5, 6 & 8 1 lesson of TT Rockstars (no pressing enter) - Add 4 digit numbers (Day 1 –no regrouping, day 2 – regrouping, day 3 – Missing numbers	- Count in multiples of 12 - Times Tables including division facts (all) 1 lesson of TT Rockstars (no pressing enter) - Add 4 digit numbers (Day 1 –no regrouping, day 2 – regrouping, day 3 – Missing numbers	- Count in multiples of 9 and 12 - Times Tables including division facts (all) 1 lesson of TT Rockstars - Convert improper fractions to mixed numbers
5	- Count in multiples of 7 - Times Tables mixed 2, 3, 4, 5, 6, 7 & 8 1 lesson of TT Rockstars (no pressing enter) - Subtract 4 digit numbers (Day 1 –no regrouping, day 2 – regroup in ones only, day 3 – regroup in tens only, day 4 – regroup in hundreds only, day 5 – regroup multiple columns)	- Count in multiples of 8 - Times Tables including division facts (all) 1 lesson of TT Rockstars (no pressing enter) - Subtract 4 digit numbers (Day 1 – no regrouping, day 2 – zeros in ones, day 3 – zeros in tens, day 3 – zeros in hundreds, day 5 – zeros in multiple columns	- Count in multiples of 7 - Times Tables including division facts (all) 1 lesson of TT Rockstars - Find equivalent fractions
6	- Count in multiples of 25 and 50s - Times Tables mixed 2, 3, 4, 5, 6, 7 & 8 1 lesson of TT Rockstars (no pressing enter) - Review subtracting 3 digit numbers (Day 1 – zero in ones column regrouping, day 2 – zero in tens column, day 3 – zero in hundreds column, day 4 & 5 zeros in multiple columns)	- Count in multiples of 11 - Times Tables including division facts (all) 1 lesson of TT Rockstars (no pressing enter) - Find fractions of an amount (non-unit)	- Count in multiples of 11 - Times Tables including division facts (all) 1 lesson of TT Rockstars - Simplify fractions

7	- Count in multiples of 6 & 7 - Times Tables mixed 2, 3, 4, 5, 6, 7 & 8 1 lesson of TT Rockstars (no pressing enter) - Subtract 4 digit numbers (Day 1 – no regrouping, day 2 – zeros in ones, day 3 – zeros in tens, day 3 – zeros in hundreds, day 5 – zeros in multiple columns)		- Count in multiples of 7 and 11 - Times Tables including division facts (all) 1 lesson of TT Rockstars - Multiply and divide by 10, 100 & 1,000
HALF TERM			
1	- Count in multiples of 6 & 7 - Times Tables mixed 2, 3, 4, 5, 6, 7 & 8 1 lesson of TT Rockstars (no pressing enter) - Adding fractions with the same denominator	- Count in multiples of 3 - Times Tables including division facts (all) 1 lesson of TT Rockstars - Multiply 2 digits by 1 digit	- Count in multiples of 25 - Times Tables including division facts (all) 1 lesson of TT Rockstars - Divide 1 digit and 2 digits by 10
2	- Count in multiples of 2 & 4 - Times Tables mixed 2, 3, 4, 5, 6, 7 & 8 1 lesson of TT Rockstars (no pressing enter) - Subtract fractions with the same denominator	- Count in multiples of 6 - Times Tables including division facts (all) 1 lesson of TT Rockstars - Multiply 3 digits by 1 digit	- Count in multiples of 1000 - Times Tables including division facts (all) 1 lesson of TT Rockstars - Place 100ths on a number line as a decimal/fraction including greater than 1.
3	- Count in multiples of 6 & 7 - Times Tables mixed 2, 3, 4, 5, 6, 7 & 8 1 lesson of TT Rockstars (no pressing enter) - Add fractions with different denominator	- Count in multiples of 9 - Times Tables including division facts (all) 1 lesson of TT Rockstars - Divide 2 digits by 1 digit	- Count in multiples of 3 and 6 - Times Tables including division facts (all) 1 lesson of TT Rockstars - recognise and write decimal equivalents of any number of tenths or hundredths □ recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$
4	- Count in multiples of 9 - Times Tables mixed 2, 3, 4, 5, 6, 7 & 8 1 lesson of TT Rockstars (no pressing enter) - Subtract fractions with different denominator	- Count in multiples of 12 20 mixed times table questions per day Times Tables including division facts (all) 1 lesson of TT Rockstars - Divide 3 digits by 1 digit	- Count in multiples of 9 and 12 - Times Tables including division facts (all) 1 lesson of TT Rockstars - Divide 1 or 2 digits by 10 and 100
5	- Count in multiples of 11 - Times Tables mixed 2, 3, 4, 5, 6, 7, 8 & 9 1 lesson of TT Rockstars (no pressing enter) - Fractions of amounts (non-unit)	- Count in multiples of 7 - Times Tables including division facts (all) 1 lesson of TT Rockstars - Find the missing number (multiply and divide) by using the inverse	- Count in multiples of 7 - Times Tables including division facts (all) 1 lesson of TT Rockstars - Divide 1 or 2 digits by 100
6	- Count in multiples of 25 and 50 - Times Tables mixed 2, 3, 4, 5, 6, 7, 8, 9, 10 & 11 1 lesson of TT Rockstars (no pressing enter) - Multiply three single digit numbers	- Count in multiples of 11 - Times Tables including division facts (all) 1 lesson of TT Rockstars - Find the missing number (multiply and divide) by using the inverse	- Count in multiples of 11 - Times Tables including division facts (all) 1 lesson of TT Rockstars - Round decimals with one decimal place to the nearest whole number
7	- Count in multiples of 25 and 50 - Times Tables mixed 2, 3, 4, 5, 6, 7, 8 & 9 1 lesson of TT Rockstars (no pressing enter) - Review topics (3 lessons) - Test Base Assessments		- Count in multiples of 7 and 11 - Times Tables including division facts (all) 1 lesson of TT Rockstars - Round decimals with one decimal place to the nearest whole number

Arithmetic Curriculum at Southfield Primary Academy

Year 5

	Autumn	Spring	Summer
1	- Count in multiples of 4 and 8 - Mixed times tables daily - Addition of 4 digit numbers	- Count in halves (fractions and decimals) - Mixed times tables daily - Multiply 3 single digit numbers	- Count in intervals of 1, 2 and 5 crossing zero (to - 20) - Mixed times tables daily - Add and subtract money – missing number (using inverse)
2	- Count in multiples of 8 and 12 - Mixed times tables daily - Subtraction of 4 digit numbers	- Count in quarters (fractions and decimals) - Mixed times tables daily - Add fractions with the same denominator within and larger than one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$] – up to twelfths	- Count in intervals of 1, 2 and 5 crossing zero (to - 20) - Mixed times tables daily - Fractions as operators eg $\frac{1}{3} \times 6$ $\frac{1}{3}$ of 6 (link to mastering number materials)
3	- Count in multiples of 3 and 6 - Mixed times tables daily - Addition of 5 digit number to 7 or 8 digit number	- Count in thirds (decimals only) - Mixed times tables daily - Add fractions with the same denominator within and larger than one whole [for example, $\frac{5}{7} + \frac{3}{7} = 1 \frac{1}{7}$] – up to twelfths	- Count in intervals of 1, 2 and 5 crossing zero (to - 20) - Mixed times tables daily - Rounding to the nearest whole number
4	- Count in multiples of 6 and 12 - Subtract a 5 digit number from a 7 or 8 digit number	- Count in tenths (fractions and decimals) - Mixed times tables daily - Find fractions of an amount (unit fractions up to twelfths)	- Count in intervals of 1, 2 and 5 crossing zero (to - 20) - Mixed times tables daily - Rounding to one decimal place
5	- Count in multiples of 5 and 10 - Mixed times tables daily - Multiply 2 digit numbers by 1 digit number	- Count in hundredths (fractions and decimals) - Mixed times tables daily - Convert mixed numbers to improper fractions	- Count in intervals of 1, 2 and 5 crossing zero (to - 20) - Mixed times tables daily - Add decimals within 1 (same decimal places - 2dp).
6	- Count in multiples of 7 and 9 - Mixed times tables daily - Multiply 3 digit by a 1 digit number	- Count in halves and quarters (fractions and decimals) - Mixed times tables daily - Convert improper fractions to mixed numbers	- Count in intervals of 1, 2 and 5 crossing zero (to - 20) - Mixed times tables daily - Subtract decimals within 1 (2dp – same decimal places)
7	- Count in multiples of 11 - Mixed times tables daily - Divide a 3 digit number by a 1 digit number including remainders	- Count in tenths and hundredths (fractions and decimals) - Mixed times tables daily - Simplify fractions	- Count in intervals of 1, 2 and 5 crossing zero (to - 20) - Mixed times tables daily - Add decimals across 1 (same decimal places – 2dp)
HALF TERM			

1	- Count in halves (fractions and decimals) - Mixed times tables daily - Addition find the missing number – 5 digit numbers e.g. $43025 + ? = 95026$	- Count in halves (fractions and decimals) - Mixed times tables daily - Multiply unit fractions by an integer	- Count in any intervals previously taught (using capacity kg, km, mm, ml) - Mixed times tables daily - Subtract decimals across 1 (same decimal places – 2dp)
2	- Count in quarters (fractions and decimals) - Mixed times tables daily - Subtraction find the missing number – 5 digit numbers e.g. $71025 - ? = 30263$	- Count in quarters (fractions and decimals) - Mixed times tables daily - Multiply non- unit fractions by an integer	- Count in any intervals previously taught (using capacity kg, km, mm, ml) - Mixed times tables daily - Add decimals (different decimal places including to and from a whole number)
3	- Count in thirds (decimals only) - Mixed times tables daily - Multiples including common multiples	- Count in thirds (fractions only) - Mixed times tables daily - Multiply mixed numbers by an integer	- Count in any intervals previously taught (using capacity kg, km, mm, ml) - Mixed times tables daily - Subtract decimals (different decimal places including to and from a whole number)
4	- Count in tenths (fractions and decimals) - Mixed times tables daily - Factor pairs	- Count in tenths (fractions and decimals) - Mixed times tables daily - Multiply mixed numbers by an integer	- Count in any intervals previously taught (using capacity kg, km, mm, ml) - Mixed times tables daily - Round to nearest 10 & 100
5	- Count in hundredths (fractions and decimals) - Mixed times tables daily - Prime numbers to 100 (recall to 19)	- Count in hundredths (fractions and decimals) - Mixed times tables daily - Adding money including finding change	- Count in units of time e.g. 5, 10, 15, 20, 25, half an hour, 35, 40, 45, 50, 55 one hour) - Multiply and divide whole numbers by 10, 100, 1000
6	- Count in halves and quarters (fractions and decimals) - Mixed times tables daily - Multiply and divide whole numbers by 10 and 100	- Count in halves and quarters (fractions and decimals) - Mixed times tables daily - Subtracting money including finding change	- Count in units of time e.g. 5, 10, 15, 20, 25, half an hour, 35, 40, 45, 50, 55 one hour) - Find 10%, 20%, 30%, 40% etc
7	- Count in tenths and hundredths (fractions and decimals) - Multiply and divide whole numbers by 10 and 100 - Power Maths Assessment	- Count in tenths and hundredths (fractions and decimals) - Add and subtract money finding change – 2 part questions - Power Maths Assessment	- Count in units of time e.g. 5, 10, 15, 20, 25, half an hour, 35, 40, 45, 50, 55 one hour) - Find 5%, 15%, 25%, 35%, 45% etc - Power maths assessment