



Arithmetic Session

The Arithmetic session is 25 minute session which focusses on arithmetic skills and takes place 4 days per week.

These sessions take place in Key Stage 2 classes and follow the Long Term Plans in this document.

This builds upon the work that Year 1 and 2 do in the Mastering Number Programme.



Arithmetic Long Term Plan (Year 3)

	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15
A	Number bonds to 10 and 100	Adding 2 digit numbers including comparing number sentences and missing numbers	Subtracting 2 digit numbers including comparing number sentences and missing numbers	Doubling and halving	Multiplying and dividing by 2	Multiplying and dividing by 5 and 10	Adding/subtracting 1s,10s and 100s to 2/3 digit numbers (no crossing)	Add and Subtract tens to 2/3-digit numbers (crossing boundaries)	Adding 2 and 3-digit numbers	Subtracting 2 and 3-digit numbers		Revision week	Assessment week	Multiplication and division facts for 2,5,10,3,4 and 8 times tables	
Sp	Adding and subtracting 1s,10s and 100s to numbers	Add and Subtract tens to 2/3-digit numbers (crossing boundaries)	Adding 2 and 3-digit numbers	Subtracting 2 and 3-digit numbers	Multiplication and division facts for 2,5,10,3,4 and 8	Multiplying multiples of 10 by 1 digit numbers	Multiplying 2 digit numbers by 1-digit numbers	Dividing by 2-digit numbers by 1 digit numbers	Doubling and halving numbers up to 100	Revision week	Assessment week	Multiplication and division facts for 2,5,10,3,4 and 8 times tables			
Su	Multiplication and division facts	Balancing equations using all 4 operations	Add and subtracting fractions	Find fractions of quantities	Adding 2 and 3-digit numbers	Subtracting 2 and 3-digit numbers	Multiplying 2 digit numbers by 1-digit numbers	Dividing by 2-digit numbers by 1 digit numbers	Assessment week	Add and subtracting fractions					

Consolidation of previous year

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Arithmetic Long Term Plan (Year 4)

	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15
A	Numbers bonds and compliments to 100	Add and subtract 1s, 10s and 100s from 3-digit	Adding 3-digit numbers with and without exchange	Subtracting 3-digit numbers with and without exchange	Adding and subtracting fractions with the same	Multiplication and division (2,5 and 10 times tables)	Multiplication and division facts (4 and 8 times tables)	Adding 4 digit numbers with and with exchange	Subtracting 4-digit numbers with and with exchange	Multiplying 2-digit numbers by 1 digit	Dividing 2-digit numbers by 1 digit	Revision Week	Assessment week	Multiplication and division facts (up to 12 x 12)	Multiplication and division facts (up to 12 x 12)
Sp	Multiplication and division facts (up to 12 x 12)	Addition of 4-digit numbers	Subtracting of 4-digit numbers	Dividing and multiplying by 10 and 100	Multiplying 2-digit numbers by 1 digit	Dividing multiples of 10 and 100 by using known	Dividing 2-digit numbers by 1 digit	Multiplying 2 digit numbers by 1 digit including exchange	Adding/ subtracting fractions and compliments to 1	Adding and subtracting mixed numbers	Assessment week	Multiplying and dividing by 10 (inc decimals)	Multiplication and division facts (up to 12 x 12)		
Su	Multiplication and division facts (up to 12 x 12)	Multiplying multiples of 10 and 100 using known	Adding 4-digit numbers	Subtracting 4 digit numbers	Multiplying and dividing numbers by 10 and 100	Multiplying 2 and 3 digits by 1 digit	Dividing 2 and 3 digits by 1 digit	Adding and subtracting fractions including mixed	Assessment week	Multiplication and division facts (up to 12 x 12)	Multiplication and division facts (up to 12 x 12)				

Consolidation from previous year

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Arithmetic Long Term Plan (Year 5)

	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15
A	Recap of Multiplication facts (12 x 12)	Recall of division facts (12 x 12)	3-digit by 1 digit multiplication written method	Mental addition and subtraction (2 digit numbers)	Written addition and subtraction	Written addition and subtraction	Short division and written division	Multiples and squared number calculations	Multiplying whole numbers by 10,100 and 1000	Balancing equations (all operations)	Adding and subtracting fractions (same denominator)	Written division (6,7 and 8 times tables)	Assessment week	Multiplication and division	Addition and subtraction
Sp	Division and ,multiplication facts (12 x 12)	Multiplication & division (multiples of 10)	Long Multiplication	Division (3 digit numbers divided 1 digit numbers)	Adding and subtracting fractions	Adding and subtracting fractions	Multiplying fractions and fractions of quantities	Long Multiplication/ division	Addition and Subtraction	Balancing equations (4 operations)	Assessment week	Multiplying whole numbers by 10,100 and 1000	Multiplying decimals by 10,100 and 1000		
Su	Multiplication	Adding/subtracting decimals	Multiplying decimals by 10,100 and 1000	Adding, subtracting and multiplying fractions	Adding, subtracting and multiplying fractions	Division	Addition and Subtraction	Balancing equations	Assessment week	Fraction calculations	Fraction calculations	Fractions decimal and percentages calculations			

Consolidation from previous year

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Arithmetic Long Term Plan (Year 6)

	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15
A	Multiplication and division facts up to 12 x 12	Multiplication and division facts using known time table facts	Addition (including decimals)	Subtraction (including decimals)	Multiplication (multiplying 3 numbers)	Division (short division and bus stop method)	Order of Operations	Long multiplication	Long Division	Adding fractions (including mixed numbers)	Subtracting fractions (including mixed numbers)	Multiplying fractions	Assessment week	Dividing fractions	
Sp	Adding and subtracting fractions	Multiplying and dividing fractions	Percentages	Multiplying and dividing by 10,100 and 1000	Multiplying and dividing by 10,100 and 1000	Order of operations and balancing equations	Addition (including decimals)	Subtraction (including decimals)	Multiplication (multiplying 3 numbers)	Division (short division and bus stop method)	Assessment week	Long division	Long multiplication		
Su	Addition (including decimals)	Subtraction (including decimals)	Multiplication (multiplying 3 numbers and long division)	Division (short division and bus stop method and long division)		Multiplying decimals	Topic based Maths	Topic based Maths	Assessment week	Topic based Maths	Topic based Maths	Topic based Maths			

Consolidation from previous year

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