

Sample Overview pages from The Mental Maths Programme.

Our Mental Maths Programme ensures that key skills are taught in line with the National Curriculum and progression across the year groups. The Programme, for each year group, includes:

- an overview which maps the objectives week by week for each term
- assessment packs for each term
- a programme for each term detailing for each objective relevant activities
- various resources to rehearse key skills EG Pathfinders; Numbercross
- weekly Mental Maths test will be available from September 2024

Visit our website <https://ks2gems.com/>

Y3	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
AUTUMN TERM 1	Assess KS1 skills	Place Value Week 1 Revise KS1 Counting [N1]	Place Value Week 2 Counting multiples of 100 [N1]	Place Value Week 3 Counting multiples of 50 [N1]	Addition & Subtraction Week 1 Revise KS1 addition and subtraction [C1]	Addition & Subtraction Week 2 Number bonds to 100 [C1]	Addition & Subtraction Week 3 3d +/- 1s [C1]	Review
AUTUMN TERM 2	Addition & Subtraction Week 4 3d +/- 10s [C1]	Addition & Subtraction Week 5 3d +/- 100s [C1]	Multiplication & Division Week 1 Revise KS1 multiplication and division [C6]	Multiplication & Division Week 2 Recall 2, 5, 10 and 3 times tables [C6]	Multiplication & Division Week 3 Count in 4s and 8s [N1]	Multiplication & Division Week 4 Recall 4 and 8 times tables [C6]	Assessment	Review and consolidate

The relevant domain is given in square brackets,

Y4	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6
SPRING TERM 1	Multiplication & Division Week 1 Multiply and divide by 10 [C6]	Multiplication & Division Week 2 Multiply and divide by 100 [C6]	Multiplication & Division Week 3 Use derived facts to multiply and divide mentally	Multiplication & Division Week 4 Recall times tables to 12 x 12 [C6]	Place Value Week 1 Revisit Autumn Term PV	Addition & Subtraction Week 1 Number pairs to add to the next multiple of 100 [C1]
SPRING TERM 2	Addition & Subtraction Week 2 3d +/- 2d [C1]	Addition & Subtraction Week 3 +/- multiples of 10 from 4d [C1]	Multiplication & Division 2 Week 1 Multiply and divide by 10 and 100 [C6]	Multiplication & Division 2 Week 2 Recall times tables to 12 x 12 [C6]	Multiplication & Division 2 Week 3 Use derived facts to multiply and divide mentally	Assessment

The relevant domain is given in square brackets,

Y5	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6
SUMMER TERM 1	Multiplication & Division 3 Week 1 Multiply and divide numbers mentally using known facts [C6]	Multiplication & Division 3 Week 2 Multiply and divide by 10, 100 and 1000 [C6]	Fractions 3 Week 1 Count in tenths [F1]	Fractions 3 Week 2 Count in hundredths [F1]	Decimals & Percentages 2 Week 1 Decimal bonds adding to numbers with 1dp to get to the next whole number [C1]	Review
SUMMER TERM 2	Decimals & Percentages 2 Week 2 Doubling/ halving numbers with 1dp [C6]	Decimals & Percentages 2 Week 3 Calculating simple percentages	Place Value 3 Week 1 Revisit Y5 Spring Term	Addition & Subtraction 3 Week 1 Revisit Y5 Spring Term	Assessment	Review and consolidation

The relevant domain is given in square brackets,

Y6	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK7	WEEK 8
AUTUMN TERM 1	Assess Y5 skills	Place Value Week 1 Revisit Y5 Counting forwards and backwards in 10,000s and 100,000s [N1]	Place Value Week 2 Revisit Y5 Counting forwards and backwards with positive and negative numbers [N1 & N5]	All 4 operations Week 1 Add/ subtract large numbers [C1]	All 4 operations Week 2 Add/ subtract the nearest multiples of 10, 100 and 1000 and adjust [C1]	All 4 operations Week 3 Multiply and divide by 10, 100 and 1000 [C6]	All 4 operations Week 4 Multiply and divide numbers mentally using known facts [C6]	Review
AUTUMN TERM 2	All 4 operations Week 5 Use known facts to derive quickly square numbers to 12 x 12 [C6]	Fractions Week 1 Add/ subtract tenths to numbers with 2dp [F4]	Fractions Week 1 Add/ subtract hundredths to numbers with 2dp [F4]	Decimals Week 1 Decimal bonds - adding to numbers with 2 dp to get to next whole number	Decimals Week 2 Doubling/ halving numbers with 2dp	Review term	Assessment	Review and consolidate

The relevant domain is given in square brackets,