

Year 6 Maths Learning Journal



Progress tracking grid

Stage	EOY 5 stage	October assessment	January assessment	March assessment	End of year target
6 Mastery					
6 Secure					
6 Developing					
6 Emerging					
5 Mastery					
5 Secure					
5 Developing					
5 Emerging					
4 Secure					
4 Developing					
4 Emerging					
3 secure					
3 Developing					

Assessment results (KS1/2 and GL)

	Standard age score (100=National expectation)	Stage/Result
KS1 SATs	n/a	
Year 5 Baseline GL		
End of year 5 GL		
End of year 6 GL		
KS2 SATs		

Assessment results

	Paper 1- Arithmetic	Paper 2- Reasoning	Paper 3- Reasoning	Overall score	Stage
October assessment	/40	/35	/35	/110	
January assessment	/40	/35	/35	/110	
March assessment	/40	/35	/35	/110	

	Number and algebra	Calculation	Geometry	Measures	Statistics
Mastery	<ul style="list-style-type: none"> I can solve percentage word problems I can solve ratio and proportion problems I can use scale factors to enlarge shapes and calculate missing lengths. I can round whole numbers up to 1,000,000 to the nearest 10,100,1000 and 100,000 I can solve worded problems involving fractions I can multiply mixed number fractions by integers I can calculate missing values when finding percentages of amounts. I can write an equation to represent information. I can write a formula to describe a pattern. 	<ul style="list-style-type: none"> I can solve multi step problems involving addition, subtraction, multiplication and division I can interpret division remainders as whole number remainders, fractions, or by rounding. I can use written division methods in cases where the answer has up to two decimal places. I can divide numbers up to 4-digits by a two-digit whole number 	<ul style="list-style-type: none"> I can draw 2-D shapes accurately I can find unknown angles in regular polygons. I can draw nets of 3D shapes 	<ul style="list-style-type: none"> I can convert between imperial units I can convert between miles and kilometres I can calculate the volume of compound shapes 	<ul style="list-style-type: none"> I can construct pie charts I can use pie charts to solve problems.
Secure	<ul style="list-style-type: none"> I can read, write, order and compare numbers up to 10 000000 I can multiply and divide decimals by 10, 100 and 1000. I can round integers up to 10,000 to the nearest 10,100 and 1000 I can add and subtract mixed number fractions. I can multiply and divide fractions by integers I can substitute numbers into expressions. I can identify equivalent fractions, decimals and percentages. I can calculate percentages of amounts I can order fractions, decimals and percentages I can solve 2 step equations I can identify a rule within two-step problems. I can form expressions I can calculate ratio I can calculate scale factors 	<ul style="list-style-type: none"> I can use my knowledge of the order of operations to carry out calculations I can multiply multi-digit numbers up to 4 digits by a two-digit whole number I can use factors to divide 	<ul style="list-style-type: none"> I can find unknown angles in any triangles and quadrilaterals. I can draw and reflect shapes on the coordinate plane. I can identify missing coordinates in shapes or on lines I can measure and draw angles using a protractor. 	<ul style="list-style-type: none"> I can solve problems involving metric units I can use, read, write and convert between metric units for capacity, mass and length I can calculate the area of triangles. I can calculate the area of parallelograms. 	<ul style="list-style-type: none"> I can calculate and interpret the mean as an average. I can read and interpret pie charts. I can use line graphs to solve problems.
Developing	<ul style="list-style-type: none"> I can add and subtract fractions with different denominators. I can compare and order fractions. I can place fractions on a number line I can find pairs of numbers that satisfy number sentences. I can read, write, order and compare numbers up to 100 000 I can Read Roman numerals to 1 000 (M) I can find a fraction of an amount I can identify the value of digits up to 3 decimal places I can multiply and divide decimals by integers I can identify a rule within one-step problems. I can represent a ratio as a fraction 	<ul style="list-style-type: none"> I can + and - integers with more than 4 digits I can perform mental calculations I can use short division to divide 3 and 4 digit numbers by 1 digit numbers I can multiply 2 and 3 digit number by a 2 digit integer I can solve multi-step + and - problems I can identify prime numbers up to 100 I can calculate and identify square and cube numbers I can use known facts to solve calculations 	<ul style="list-style-type: none"> I can draw and translate simple shapes on the coordinate plane. I can describe positions on the full coordinate grid (all four quadrants). I can calculate missing angles around a point I can calculate vertically opposite angles. 	<ul style="list-style-type: none"> I can calculate the volume of cubes and cuboids. 	<ul style="list-style-type: none"> I can draw line graphs I can name parts of circles and calculate the radius and diameter.
Emerging	<ul style="list-style-type: none"> I can use negative numbers and calculate intervals across zero. I can identify the value of each digit in decimals I can use common factors to simplify fractions. I can find equivalent fractions I can convert improper and mixed number fractions I can multiply fractions by fractions I can solve one step equations I can calculate inputs, outputs and functions of function machines. I can write a sentence to represent a ratio I can write a ratio using the symbol 	<ul style="list-style-type: none"> I can identify factors, common factors and common multiples. I can multiply a 2 digit number by a 1 digit whole number I can Use the inverse operation to solve additions and subtractions I can add and subtract integers with up to 4 digits 	<ul style="list-style-type: none"> I can describe positions on the full coordinate grid (1st quadrant). I can name and estimate angles I can calculate missing angles on a straight line. 	<ul style="list-style-type: none"> I can explain how shapes can have the same area but different perimeter I can identify shapes with the same area 	<ul style="list-style-type: none"> I can read and interpret line graphs

How did I do on my October assessments? (2018 SATS)

Paper 1- Arithmetic test

Addition	Q1	Q9	Q15						
Subtraction	Q7	Q14	Q16	Q26					
Multiplication	Q3	Q6	Q20	Q23	Q27	Q29			
Division	Q4	Q5	Q11	Q12	Q13	Q18	Q22	Q36	
Inverse	Q10								
Fraction calculations	Q2	Q17	Q19	Q24	Q25	Q28	Q31	Q33	Q35
Indices	Q8								
Percentages	Q21	Q30	Q34						
Order of operations	Q32								

3 areas that I need to work on are:

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Paper 2 and 3

Number

Place value	P3-Q3	P3-Q19			
Fractions	P2-Q4	P2-Q13	P2-Q14	P3-Q16	P3-Q18
Percentages	P3-Q8				
Negative numbers	P2-Q5				
Mixed calculations	P2-Q10	P2-Q16	P3-Q4		
Comparing fractions, decimals and %'s	P2-Q7				
Inverse	P2-Q2				
Algebra	P2-Q21	P3-Q15			
Properties of numbers	P3-Q5				
Sequences	P2-Q6	P3-Q1			
Estimating	P2-Q19				

Calculations

Money/decimal calculations	P2-Q18						
Measurement problems	P2-Q17	P2-Q20	P2-Q23	P3-Q9	P3-Q11	P3-Q13	
Mixed problems	P2-Q8	P2-Q9	P2-Q15	P3-Q2	P3-Q7	P3-Q12	P3-Q20

Geometry and measure

Area	P3-Q18	
Angles	P3-Q14	
Transformations	P2-Q1	P2-Q12
Measuring	P2-Q3	
Properties of 2D and 3D shapes	P2-Q11	P3-Q17
Time and timetables	P3-Q21	
Co-ordinates	P3-Q10	
Volume	P2-Q22	

Statistics

Interpreting data (graphs and tables)	P3-Q6
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How did I do on my January assessments? (2019 SATS)

Paper 1- Arithmetic test

Addition	Q1	Q2	Q6					
Subtraction	Q11	Q12	Q19	Q21				
Multiplication	Q5	Q9	Q14	Q17	Q23	Q30		
Division	Q7	Q8	Q10	Q13	Q20	Q25	Q36	
Inverse	Q3	Q4						
Fraction calculations	Q22	Q24	Q26	Q28	Q31	Q32	Q34	Q35
Indices	Q16							
Percentages	Q18	Q27	Q29	Q33				
Order of operations	Q15							

3 areas that I need to work on are:

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Paper 2 and 3

Number

Place value	P2-Q6	P3-Q2	P3-Q5
Percentages	P2-Q15		
Times tables	P2-Q1		
Subtraction	P2-Q2		
Inverse	P2-Q9		
Comparing fractions, decimals and %'s	P2-Q11	P2-Q12	P2-Q20
Ordering	P2-Q3	P3-Q4	
Algebra	P2-Q10	P3-Q3	P3-Q17
Properties of numbers	P2-Q18	P3-Q11	
Sequences	P2-Q5	P2-Q8	
Rounding	P2-Q14	P3-Q2	
Order of operations	P2-Q16		
Fractions	P3-Q12	P3-Q18	

Calculations

Money/decimal calculations	P2-Q11	P3-Q1	P3-Q6	P3-Q16
Measurement problems	P2-Q19	P3-Q7	P3-Q16	P3-Q23
Mixed problems	P3-Q8	P3-Q19	P3-Q20	

Statistics

Interpreting data (graphs and tables)	P2-Q22	P3-Q9
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Geometry and measure

Area and perimeter	P2-Q17	
Reading scales	P2-Q7	
Transformations	P2-Q4	P3-Q10
Construction	P2-Q13	
2D and 3D shapes	P2-Q21	P3-Q22
Calendar	P3-Q14	
Co-ordinates	P3-Q10	P3-Q21
Volume	P2-Q23	
Angles	P3-Q13	
Converting units of measure	P3-Q15	

How did I do in my March assessments? (2022 SATS)

Paper 1-Arithmetic test

Addition	Q1	Q3	Q5	Q6					
Subtraction	Q9	Q14	Q23	Q26					
Multiplication	Q2	Q12	Q15	Q19	Q33				
Division	Q4	Q7	Q8	Q11	Q13	Q17	Q29		
Multiply and divide powers of 10	Q10	Q16	Q20						
Fraction calculations	Q18	Q21	Q22	Q24	Q25	Q31	Q32	Q34	Q36
Percentages	Q27	Q28	Q30						
Order of operations	Q35								

3 areas that I need to work on are:

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Statistics

Papers 2 and 3

Interpreting data (graphs and tables)	P2-Q9	P2-Q13	P3-Q5	P3-Q6	P3-Q20
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Number

Place value	P2-Q1	P2-Q3	P3-Q9		
Percentages	P3-Q18				
Times tables	P2-Q2	P2-Q17	P3-Q2	P3-Q11	
Comparing fractions, decimals and %'s	P3-Q4				
Algebra	P2-Q21	P3-Q12			
Ratio	P2-Q22				
Properties of numbers	P3-Q19				
Rounding	P2-Q4	P2-Q16	P3-Q8	P3-Q20	
Order of operations	P2-Q15				
Fractions	P2-Q7	P2-Q8	P2-Q11	P3-Q13	P3-Q16

Geometry and measure

Transformations	P2-Q25		
2D and 3D shapes	P3-Q1	P3-Q17	
Co-ordinates	P2-Q25	P3-Q21	
Angles	P2-Q24	P3-Q15	
Circles	P2-Q19		
Converting units of measure	P2-Q5	P2-Q12	P2-Q23

Calculations

Money/decimal calculations	P2-Q6	P2-Q10	P3-Q3	P3-Q10	P3-Q14	P3-Q18
Measurement problems	P2-Q5	P2-Q12	P2-Q14	P2-Q22	P2-Q23	
Mixed problems	P2-Q18	P2-Q20	P3-Q7			