Key Performance Indicators (KPIs) - *the aspects pupils MUST know by the end of the year to meet age-expected learning*

Year 6

Number/Calculation

1. Secure place value and rounding to 10,000,000, including negative numbers and decimals to 3dp
2. Round any whole number to a required degree of accuracy
3. Calculate mentally using efficient strategies e.g. simplifying the calculation
4. Use negative numbers in context, crossing 0 in calculations
5. X and ÷ numbers by 10, 100 and 1000 with answers to 3dp
6. All written methods, including long division and x/÷ up to 4d by 2d using long multiplication, and x/÷decimal numbers
7. Use order of operations
8. Identify factors, multiples & primes
9. Use estimation to check answers
10. Generate and describe linear number sequences

Algebra

11. Express missing number problems algebraically

Geometry & Measures

12. Confidently use a range of measures & conversions up to 3dp
13. Calculate area of triangles / parallelograms
14. Know that shapes of the same area can have different perimeters
15. Use area & volume formulae including for cubes and cuboids
16. Classify shapes by properties and use scale factors
17. Know and use angle rules to find missing angles
18. Draw 2d shapes given dimensions and angles
19. Name and draw parts of circles (radius, diameter, circumference)
20. Translate and reflect shapes, using all four quadrants
21. Solve problems using the relative sizes of different quantities with missing numbers

Fractions, decimals & percentages

22. Compare and simplify fractions
23. Use equivalents to add fractions
24. Multiply simple fractions
25. Divide fractions by whole numbers
26. Solve problems using decimals and percentages and equivalents for fractions
27. Introduce ratio and proportion

Data

28. Use pie charts and line graphs
29. Calculate mean averages
30. Solve multi-step problems for the above and previous year 3-5 work