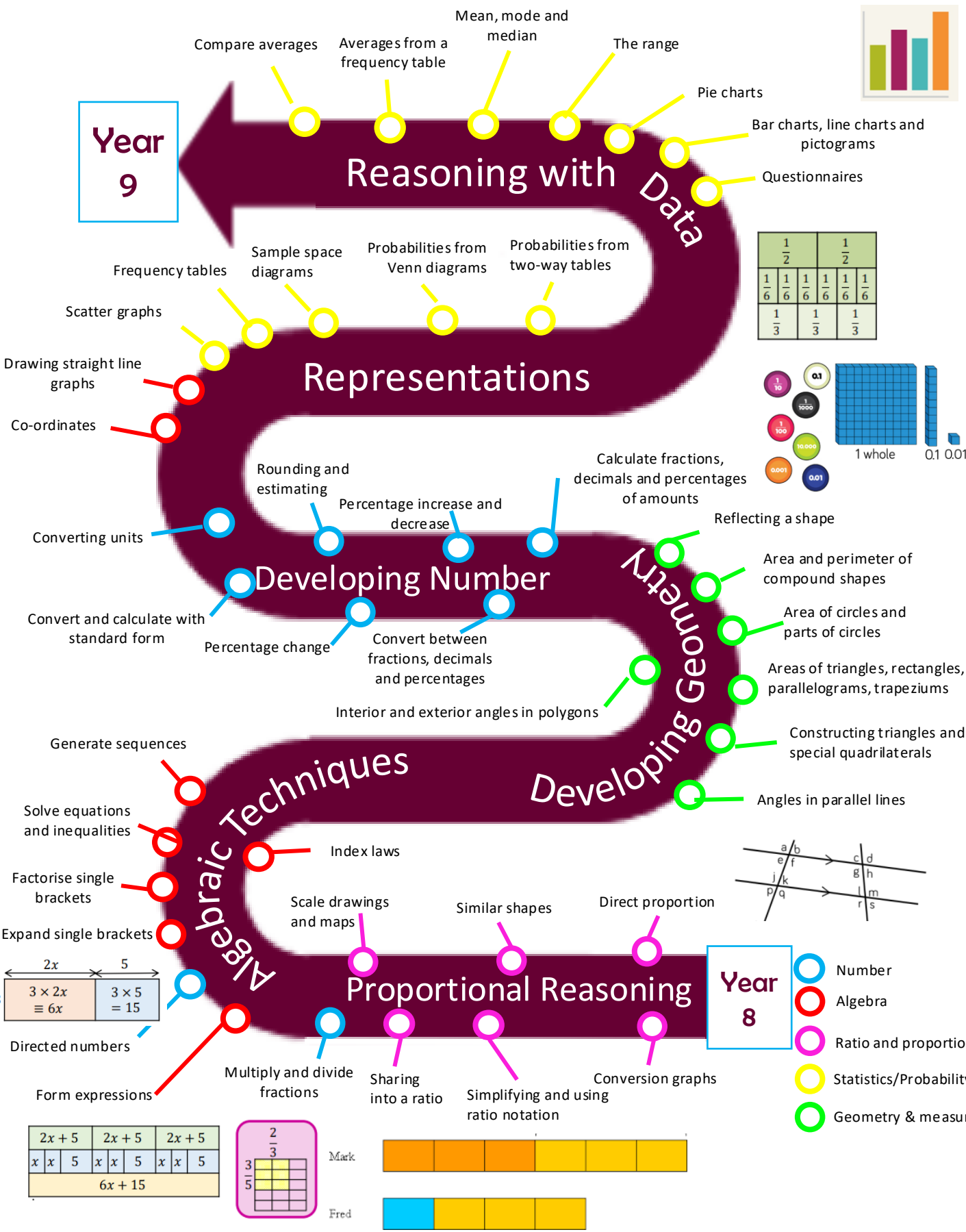


YEAR 8 MATHS LEARNING JOURNEY



Knowledge from year 7 feeds into year 8

- Integers and place value up to one billion
- Place numbers on a number line
- Compare and order numbers
- Rounding to a power of 10 and significant figures
- Formal methods of addition, subtraction, multiplication and division
- HCF and LCM
- Directed numbers
- Prime factorisation
- Powers and roots
- Converting between fractions, decimals and percentages
- Representing fractions and decimals on a number line
- Equivalent fractions
- Addition and subtraction of fractions

- Describe and continue sequences
- Use function machines
- Form expressions
- Substitution
- Collect like terms
- Solve one step equations

- Range and median
- Mean
- Pie charts
- Set notation
- Venn diagrams
- Probability of a single event

- Area of rectangles, triangles and parallelograms
- Constructing and measuring lines and angles
- Calculating angles in triangles and quadrilaterals
- Calculating angles on a straight line, around a point and vertically opposite
- Recognise different types of triangle, quadrilateral and polygons