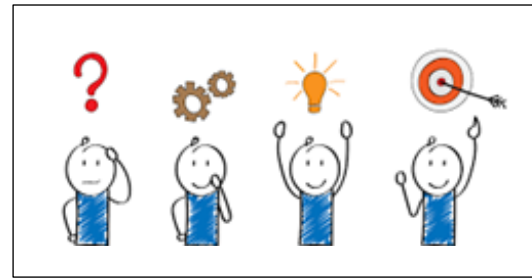


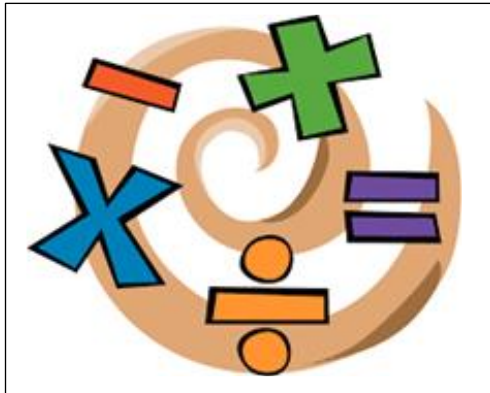


What makes a Year 6 Eynesbury Mathematician?



An Eynesbury Mathematician will:

- Ask questions
- Work systematically
- Look for patterns
- Make estimations
- Check their work carefully
- Choose efficient strategies
- Use subject specific vocabulary to explain their thinking
- Make connections between different areas of Maths
- Be resilient and is not afraid to make mistakes.
- Recall number facts quickly and use them to find related facts.



By the end of Year 6, an Eynesbury Mathematician:

- Uses simple ratio to compare quantities
- Writes a fraction in its lowest terms by cancelling common factors
- Knows percentage and decimal equivalents for fractions with a denominator of 2, 3, 4, 5, 8 and 10
- Adds and subtracts fractions and mixed numbers with different denominators
- Multiplies pairs of fractions in simple cases
- Finds percentages of quantities

By the end of Year 6, an Eynesbury Mathematician:

- Multiplies and divides numbers with up to three decimal places by 10, 100, and 1000
- Uses long division to divide numbers up to four digits by a two-digit number
- Uses simple formulae expressed in words
- Generates and describes linear number sequences



By the end of Year 6, an Eynesbury Mathematician:

- Solves missing angle problems involving triangles, quadrilaterals, angles at a point and angles on a straight line
- Calculates the volume of cubes and cuboids and knows that volume is measured in cubes
- Uses coordinates in all four quadrants
- Calculates and interprets the mean as an average of a set of discrete data
- Knows the rough equivalence between miles and kilometres
- Knows that vertically opposite angles are equal

Mathematical skills are required for almost any job you can think of, such as:

- Construction workers, painters, architects
- Weather forecasters, astronomer's
- Hairdressers, musicians,
- Doctors, nurses,

An Eynesbury Mathematician will use Maths skills all the time, for example by:

- Telling the time, reading timetables,
- Weighing ingredients to cook, estimating how much water to add a drink cup or bath.
- Playing a range of board, online and practical games, including keeping scores in games such as Football, Tennis, Netball.