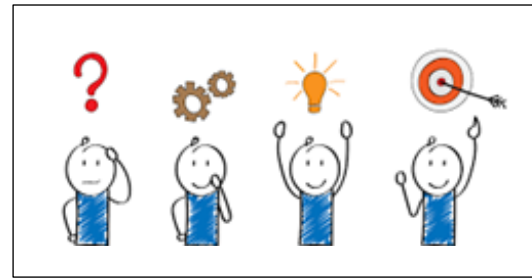


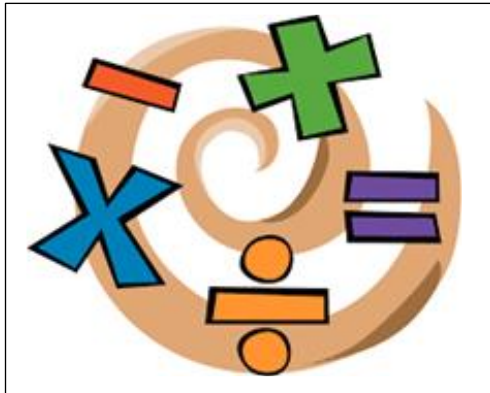


# What makes a Year 5 Eynesbury Mathematician?



## 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 5, an Eynesbury Mathematician:

- Identifies multiples and factors of a number
- Counts forwards and backwards through zero
- Recalls primes to 19
- Knows the first 12 square numbers
- Rounds to one decimal place
- Uses columnar addition and subtraction with numbers of any size
- Multiplies a three- or four-digit number by a two-digit number using long multiplication
- Divides numbers up to four-digits by a single-digit number using short division and interpret the remainder

## By the end of Year 5, an Eynesbury Mathematician:

- Adds and subtracts fractions with denominators that are multiples of the same number
- Writes decimals as fractions and know percentage and decimal equivalents for  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{5}$ ,  $\frac{2}{5}$ ,  $\frac{4}{5}$
- Understands that per cent relates to number of parts per hundred
- Knows the Roman numerals I, V, X, L, C, D, M



## By the end of Year 5, an Eynesbury Mathematician:

- Knows rough conversions between metric and Imperial units
- Converts between adjacent metric units of measure for length, capacity and mass
- Measures and draws angles and know that angles are measured in degrees
- Knows angles in one whole turn total  $360^\circ$
- Knows angles in half a turn total  $180^\circ$
- Distinguishes between regular and irregular polygons
- Knows that area of a rectangle = length  $\times$  width

## 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.