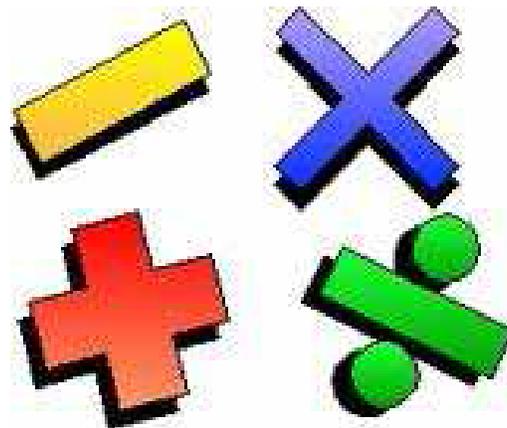# Maths Targets
Year 5

"Bringing out the best in everyone"

The Maths Curriculum

Maths is spilt into three main areas these are **Number**, **Measurement** and **Geometry**.

The new curriculum is much more challenging:
- Long division
- Higher expectations in the calculation of fractions
- Higher expectations for measuring shape
- Algebra sequences

We assess the children against the "Age Related Expectations". Children will now be assessed as working as:

Working Towards ARE
Working at ARE
Working at Greater Depth (applying)

This booklets aims to provide you with the information to show you what your child is expected to achieve in each of these three areas by the end of Year 5. It clearly shows the learning objectives we will be assessing against throughout the year.
We hope you find this information useful and as always please do not hesitate to contact us if you need further advice.

Number Targets

· I can count forwards and backwards in steps of powers of 10 for any
  given number up to 1,000,000.
· I recognise and use thousandths and relate then to tenths, hundredths
  and decimals equivalents.
· I can recognise mixed numbers and improper fractions and can convert
  from one to the other.
· I can read and write decimal numbers as fractions.
· I can recognise the % symbol and understand percent relates to a number
   of parts per hundred.
· I can write percentages as a fraction with denominator hundred and as a
 decimal fraction.
· I can compare and add fractions whose denominators are all multiples of
 the same number.
· I can multiply and divide numbers mentally drawing on known facts up to
   12 x 12.
· I can recognise and use square numbers and cube numbers; and can use
   the notation 2 and 3.
· I can multiply and divide whole numbers and those involving decimals by
   10, 100 and 1000.
· I can multiply numbers up to 4-digit by a 1 or 2-digit number using formal
   written methods, including long multiplication for a 2-digit number.
· I can divide numbers up to 4-digits by a 1-digit number.
· I can solve problems involving multiplication and division where large
   numbers are used by decomposing them into factors.
· I can solve addition and subtraction multi-step problems in context,
   deciding which operations and methods to use and why.
· I can solve problems involving numbers up to 3decimal places.

Measurement and Geometry Targets

· I can estimate and compare acute, obtuse and reflex angles.
· I can draw given angles and measure them in degrees.
· I can convert between different units of metric measures and estimate volume and capacity.
· I can measure and calculate the perimeter of composite rectilinear shapes in cm and m.
· I can calculate and compare the areas of squares and rectangles including using standard units (cm2 and m2).
· I can solve comparison, sum and difference problems using information presented in a line graph.