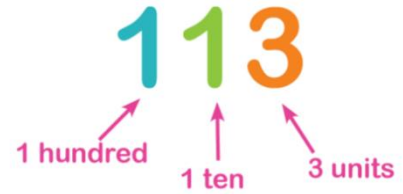


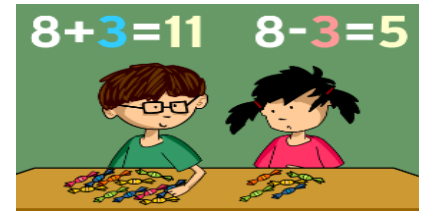
Maths: Year 6 key performance indicators

Number and Place Value



- Round any whole number to a required degree of accuracy
- Use negative numbers in context, and calculate intervals across zero

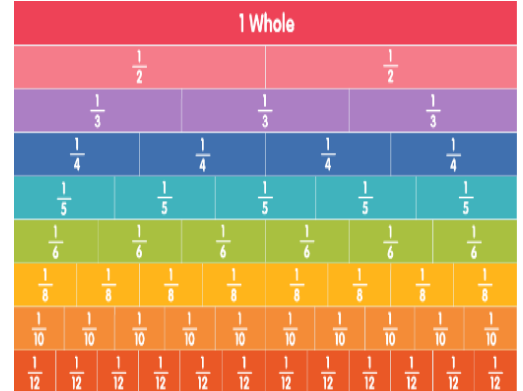
Addition and Subtraction



- Solve multi-step problems in contexts, deciding which operations and methods to use and why.
- Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.

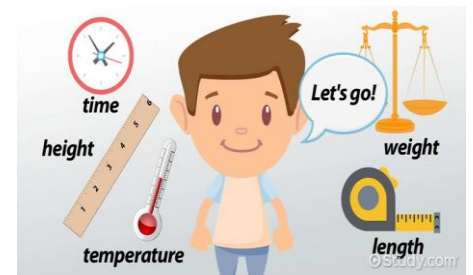
Fractions

- Solve problems which require answers to be rounded to specified degrees of accuracy
- Use written division methods in cases where the answer has up to two decimal places
- Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts



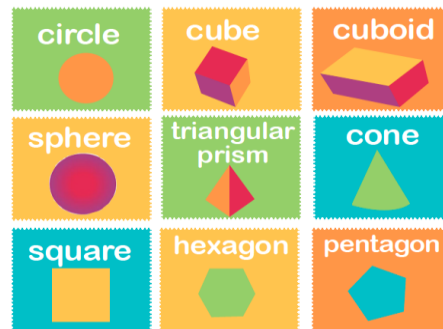
Measurement

- Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places



Properties of Shape

- Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons



Multiplication and Division

- Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication
- Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context
- Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy



Statistics

- Interpret and construct pie charts and line graphs and use these to solve problems
- Calculate and interpret the mean as an average

FRUIT	NUMBER OF CHILDREN WHO CHOSE IT
PEAR	
WATERMELON	
ORANGE	
APPLE	
BANANA	

Position and direction

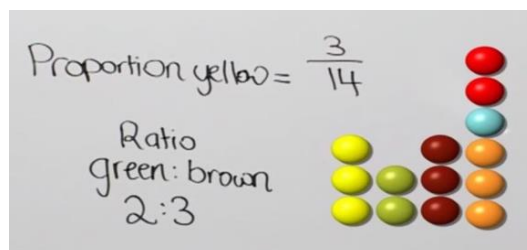
- Draw and translate simple shapes on the coordinate plane, and reflect them in the axis



Ration and proportion

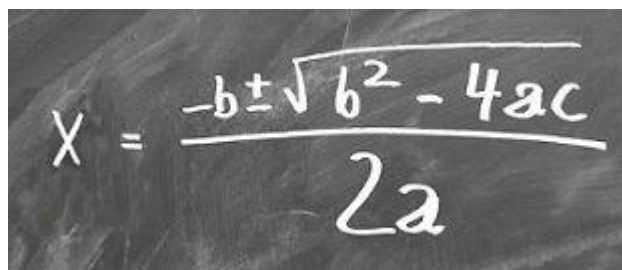
- Solve problems involving the calculation of percentages e.g. of measures, and such as 15% of 360 e.g. and the use of percentages for comparison

- Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples



Algebra

- Use simple formulae


$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$