

## Year 4 Maths

### Areas of Learning

- Number: order and compare numbers behind 1000; round any number to the nearest 10s, 100s and 100s, addition and subtraction with up to 4 digits; multiplication TU x U and HTU x U and division  $TU \div U$  and  $HTU \div U$ ; add and subtract fractions with the same denominator, equivalent fractions, recognise and write decimal equivalents of any number of tenths or hundreds
- Geometry: compare and classify geometric shapes, properties of shapes; recognizing right, obtuse and acute angles; identify lines of symmetry in 2-D shapes, describe positions on a 2-D grid as coordinates
- Measurement: convert between different units of measure, estimate, compare and calculate different measures, including money in pounds and pence measure and calculate the perimeter of a 2D shape, find the area of a 2D shape, read, write and convert time between analogue and digital 12- and 24-hour clocks
- Statistics: interpret and present data using scaled bar charts, time graphs and tables, using information presented in bar charts, pictograms, tables and other graphs

### Approaches to learning

- Number: partitioning two and three-digit numbers; mental calculation strategies; knowledge of multiplication and division facts; identifying mathematical vocabulary; reasoning skills; rounding, estimating and using inverse operations to check for accuracy; formal written methods; using fraction walls.
- Geometry: drawing and making 2D shapes and classifying them according to properties, using mirrors to draw symmetry lines,
- Measurement: read scales marked in kg, g / l, ml; knowledge of  $\frac{1}{2}$ ,  $\frac{1}{4}$  and  $\frac{3}{4}$  equivalences for kg/g and l/ml; use timelines and read vocabulary related to time; knowledge of time equivalences; solve problems related to money (calculating change); using a ruler to draw and measure straight lines, right angles and perimeters accurately.
- Statistics: interpret and produce bar charts and tables

### Examples of learning

Pupils use a wide variety of materials and ICT resources. Paired and small group work allows for peer-to-peer checking. Emphasis on “real world” problems; mental and formal calculation strategies.

### References

Primary Curriculum 2014

Mathematics: made to measure, Ofsted, May 2012

Collins Connect: Busy Ant Maths