

## **Mathematics Progression Maps for Key Stage 1 & 2**

The progression maps are structured using the topic headings as they appear in the National Curriculum.

Each of the below categories has been divided into subcategories to illustrate progression in key areas.

All programmes of study statements are included, and some appear twice. This is indicated in the text. This occurs where:

- The statement has central relevance to more than one subcategory within a topic.
- The statement has central relevance to more than one mathematics topic. This is done to reflect the aims of the curriculum that *pupils should make rich connections across mathematical ideas to develop fluency, mathematical reasoning and competence in solving increasingly sophisticated problems* (Mathematics programmes of study: key stages 1 and 2 page 3). However, the connections made are not intended to be exhaustive and teachers should seek to support pupils in making other connections.

### **Link to progression maps & notes on using these:**

Number & Place Value: <https://www.ncetm.org.uk/media/p3ed3phs/1-progression-map-place-value.pdf>

Addition & Subtraction: <https://www.ncetm.org.uk/media/mktniyb3/2-progression-map-addition-and-subtraction.pdf>

Multiplication & Division: [https://www.ncetm.org.uk/media/bkwlevic/3\\_progression\\_map\\_multiplication\\_and\\_division\\_reasoningv2.pdf](https://www.ncetm.org.uk/media/bkwlevic/3_progression_map_multiplication_and_division_reasoningv2.pdf)

Fractions: <https://www.ncetm.org.uk/media/giridawe/4-progression-map-fractions.pdf>

Ratio: <https://www.ncetm.org.uk/media/etkbmicd/5-progression-map-ratio-and-proportion.pdf>

Algebra: <https://www.ncetm.org.uk/media/htan2lqf/6-progression-map-algebra.pdf>

Measurement: <https://www.ncetm.org.uk/media/14iciudq/7-progression-map-measurement.pdf>

Properties of shape: [https://www.ncetm.org.uk/media/ettef0hw/8\\_progression\\_map\\_geometry\\_properties\\_of\\_shapes\\_reasoningv2.pdf](https://www.ncetm.org.uk/media/ettef0hw/8_progression_map_geometry_properties_of_shapes_reasoningv2.pdf)

Position & Direction:

[https://www.ncetm.org.uk/media/fczmsmxc/9\\_progression\\_map\\_geometry\\_position\\_direction\\_and\\_movement\\_reasoning.pdf](https://www.ncetm.org.uk/media/fczmsmxc/9_progression_map_geometry_position_direction_and_movement_reasoning.pdf)

Statistics: <https://www.ncetm.org.uk/media/0kjpnv2k/10-progression-map-statistics.pdf>

Notes on Progression Maps: <https://www.ncetm.org.uk/media/qxxfzqbx/notes-on-progression-maps.pdf>