

MATHS Learn at Home packs: Year 6, Week 9

These notes are intended for teachers who are using these materials to continue to teach their class using any form of online file sharing.

'Your home-learning resources have helped our school immeasurably: they're so clear, and the fact that they are in daily chunks, with plenty of explanation for parents at home, has made them invaluable.'

Nick, a Suffolk primary teacher.

Our small team have been working round the clock to produce these materials and we're really happy that huge numbers of teachers, schools and parents have found them useful – and emailed us to say so!

If you're not a regular user of Hamilton, why not consider becoming a [Friend of the charity](#) to access the teaching materials in English, Maths and Topics for the whole year? Or take a moment to browse our [free resources for schools](#).

The 'timetable' for this week's teaching and learning is as follows

- **Day 1** – *Learning Reminders* help children revise how to use multiplication facts and place value to multiply and divide mentally. They use these strategies in the practice sheets and in the problem-solving activity.
- **Day 2** – Children predict which divisions will have smallest/greatest answers. They use short division, simplifying fraction parts of answers. Have a go at the investigation to gain greater fluency using this method.
- **Day 3** – *Learning Reminders* revise co-ordinates in all four quadrants. Children find the co-ordinates of vertices of polygons and missing vertices of rectangles and of different types of quadrilateral.
- **Day 4** – *Provide some teacher input*, using the PowerPoint presentation * demonstrating 1-step and 2-step translations on the co-ordinates grid (no voice-over). Practise and explore co-ordinates of different polygon translations.
- **Day 5** – *Provide some teacher input*, using the PowerPoint presentation* to show shapes being reflected in the x-axis and y-axis. Ensure that children realise that the shapes need to be 'flipped'. Children practise reflecting quadrilaterals in the x-axis and y-axis.

Structure of materials

	PowerPoint lesson	Learning Reminders	Practice Sheet(s)	Problem solving task	A bit Stuck?	Check your understanding
Day 1		✓	✓		✓	✓
Day 2		✓	✓	✓	✓	
Day 3		✓	✓		✓	✓
Day 4	✓	✓	✓	✓	✓	
Day 5	✓	✓	✓		✓	✓

Summary of Week

Day 1 – Mental multiplication/division using factors, doubling, halving & place value.

Day 2 – Use short division, giving the answer with a fractional part and simplifying this as required.

Day 3 – Plot points and draw polygons in all 4 quadrants.

Day 4 – Work out new co-ordinates after the translation of a polygon.

Day 5 – Work out new co-ordinates after the reflection of a polygon.

**PowerPoint presentations are provided. You can use your phone to film yourself going through these on a laptop. OR parents and children can access them at home, preferably in PowerPoint but also as images on a tablet. You can then talk these through. Or you may have a clever online way, perhaps through the school's website, of sharing these presentations with children at home.*