

## MATHS Learn at Home packs: Year 5, 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, alongside group chats/ video conferencing, etc.

***'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** – Give some teacher input, [using the PowerPoint presentation\\*](#) [provided](#) on how to use place value to add/ subtract to/from 6-digit numbers. There are opportunities to practise this and extend understanding with an investigation.
- **Day 2** – Using the *Learning Reminders* images, children check how to locate 6-digit numbers on a landmarked number-line. They try a practical activity and exercises to rehearse skills, with some problem-solving questions to check understanding.
- **Day 3** – Give some teacher input, [using the PowerPoint presentation\\*](#) [provided](#) on plotting co-ordinates in the first and second quadrant. There is then a practice sheet and an investigation to try this out.
- **Day 4** – Using the *Learning Reminders*, children consider how to *translate* shapes on a co-ordinate grid. Practice exercises and an investigation follow.
- **Day 5** – Referring to the *Learning Reminders* images, children consider how to *reflect* shapes on a co-ordinate grid. To check understanding of this topic, practice exercises and reasoning questions follow.

**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 Learning

**Day 1** – Add and subtract 1, 10, 100, 1000, 10,000 and 100,000 to/from 6-digit numbers using a secure understanding of place value.

**Day 2** – Place 6-digit numbers on landmarked lines; compare and round numbers.

**Day 3** – Plot co-ordinates and draw polygons in two quadrants.

**Day 4** – Describe co-ordinates after a translation.

**Day 5** – Reflect a shape and write its new co-ordinates.

*\*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.*