

## MATHS Learn at Home packs: Year 4, Week 11

**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** – *Provide some teacher input*, using the PowerPoint presentation\* revising expanded and compact column subtraction with pairs of 3-digit numbers. Practise this using the activity sheet and investigation.
- **Day 2** – Use the Learning Reminders to consider the compact method of setting out subtraction alongside the expanded method, now with 4-digit numbers. Children use the method they are most comfortable with in the activities, then check their understanding with the mastery questions.
- **Day 3** – *Provide some teacher input*, using the PowerPoint presentation\* on finding the perimeter of rectangles using doubling strategies. Children use the activity sheet and investigation to apply their skills.
- **Day 4** – Use the Learning Reminders to explore finding the perimeter of rectilinear shapes. Use the activity sheet and investigation to practice this.
- **Day 5** – Use the Learning Reminders to compare finding area and perimeter of rectangles and squares. Rehearse skills in the practice sheets, then use the problem solving and reasoning questions to check understanding of this topic.

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** – Revise column subtraction of 3-digit numbers.

**Day 2** – Column subtraction of 4-digit numbers.

**Day 3** – Find the perimeter of rectangles using calculation.

**Day 4** – Find the perimeter of rectilinear shapes using calculation.

**Day 5** – Investigate area and perimeter.

*\*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.*