

## MATHS Learn at Home packs: Year 4, Week 10

**These notes are intended for teachers** who are using these materials to continue to teach using online file sharing/ 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\* on [expanded column subtraction with pairs of 3-digit numbers](#). Children practise this using the activity sheet and explore the concept in an investigation.
- **Day 2** – Use the *Learning Reminders* to introduce the compact method for subtraction alongside the expanded method. Children use the strategy they are most comfortable with in the activities and investigation.
- **Day 3** – Use the *Learning Reminders* to compare column subtraction with the counting up strategy (using 'Frog'). The practice sheet supports children in making an appropriate choice of method for different numbers. Use the problem solving and reasoning questions to check understanding of this topic.
- **Day 4** – *Provide some teacher input*, using the PowerPoint presentation\* on [finding the area of rectangles using times tables facts](#). Children use the activity sheet and investigation to practise this.
- **Day 5** – In the *Learning Reminders*, children are shown how to split rectilinear shapes into rectangles as a way to find their area. Use this in practice sheets, then the problem solving and reasoning questions to check understanding.

### 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** – Use expanded column subtraction to subtract 3-digit numbers.

**Day 2** – Introduce compact column subtraction to subtract 3-digit numbers.

**Day 3** – Choose a strategy to subtract 3-digit numbers.

**Day 4** – Find the area of rectangles.

**Day 5** – Find the area of rectilinear shapes.

*\*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.*