

MATHS Learn at Home packs: Year 3, Week 8

These notes are intended for teachers who are using these materials to continue to teach their class using any form of online file sharing, group chats, video calls, etc.

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

- **Day 1** – *Provide some teacher input, using the PowerPoint presentation* on expanded addition to add pairs of 3-digit numbers.* If children access this, they hear the teaching explanation. A brilliant investigation gives lots of practice.
- **Day 2** – Children explore the *Learning Reminders* to rehearse how to use expanded addition when the 1s exceed 10, the 10s exceed 100, and when both occur in the same addition. They use this method in the practice sheets.
- **Day 3** – *Provide some teacher input, using the PowerPoint presentation* on expanded and compact column addition.* If children listen in, they are talked through both methods; an intriguing investigation practises these strategies.
- **Day 4** – Arrays are used in the *Learning Reminders* to help children to see how once they have found a unit fraction of a number, they can multiply the answer to find non-unit fractions of the same number. They practise this skill in the practice sheets.
- **Day 5** – Bar models are used in the *Learning Reminders* to model finding non-unit fractions of amounts. There is an investigation using the same image to challenge children to find different fractions of 24 and 40.

Day 1 – Use expanded addition for pairs of 3-digit numbers (one 'carry'). Investigate intriguing patterns when adding.

Day 2 – Use expanded addition to add pairs of 3-digit numbers (two 'carries').

Day 3 – Use expanded and compact addition for pairs of 3-digit numbers. Use an investigation to explore further additions.

Day 4 – Find non-unit fractions of quantities (arrays).

Day 5 – Find non-unit fractions of quantities (bar models).

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		✓	✓	✓	✓	

**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.*