

## MATHS Learn at Home packs: Year 4, Week 9

**These notes are intended for teachers** who are continuing to teach their class using any form of online file sharing, alongside group chats/ video conferencing, etc.

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

- **Day 1** – Children explore the *Learning Reminders* to rehearse how to round to estimate totals. They use compact column addition to add three 3-digit numbers in the practice sheets. Encourage them to have a go at the investigation to gain further fluency in both estimating and addition.
- **Day 2** – Children use the *Learning Reminders* to rehearse how to estimate totals, then use compact column addition to add amounts of money. They go on to use these skills in the practice sheets.
- **Day 3** – *Provide some teacher input, using the PowerPoint presentation\** on expanded and compact column addition with pairs of 4-digit numbers. Children choose their preferred layout to calculate additions in the practice sheets. Encourage confident learners to tackle the investigation.
- **Day 4** – Children revisit factors and use them to multiply, e.g. using factors of 20 to find  $20 \times 36$ . They apply this skill in the practice sheet. Encourage children to try the investigation to gain further practice in finding factors.
- **Day 5** – In the *Learning Reminders*, children are shown how we can use the fact that multiplication is commutative to reorder multiplications to make a calculation 'easier'. They use this in the practice sheets.

**Day 1** – Use column addition to add three 3-digit numbers.

**Day 2** – Use column addition to add amounts of money.

**Day 3** – Use column addition, expanded and compact, to add pairs of 4-digit numbers.

**Day 4** – Use factors to provide useful strategies when multiplying.

**Day 5** – Multiply three numbers, reordering where it will make the calculation easier.

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.*