

## MATHS Learn at Home packs: Year 6, Week 5

**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.

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

- **Day 1** – Children use rounding to estimate which 4-digit number by 1-digit number multiplication will give an answer close to 20,000; then other targets. Learning reminders show how to lay out short and grid multiplications.
- **Day 2** – *Provide some teacher input*, using the PowerPoint presentation\* on [short division](#). If children access this, they learn how to move a 'sticky note' to focus on each digit in turn, and different ways to deal with remainders. They practise short division, incl. word problems, deciding how to treat remainders.
- **Day 3** – The bar model shows the link between fractions and percentages, as proportions of numbers of children. Use equivalence to answer questions.
- **Day 4** – *Provide some teacher input*, using the Presentation\* on [writing simple formulae](#). If children access this, they hear the voice over, which is useful as algebra can be a difficult concept for many who need additional explanations. Children then practise writing simple formulae.
- **Day 5** – Children look at inputs/outputs of function machines to work out their function. They learn to write the output in terms of  $n$ , the input. Consider providing *some teacher input* to support children having a go at the investigation.

**Day 1** – Short multiplication (4-digit numbers by 1-digit numbers).

**Day 2** – Short division (4-digit numbers by 1-digit numbers).

**Day 3** – Fractions and percentages as proportion.

**Day 4** – Using and writing simple formulae.

**Day 5** – Using function machines, writing generalisations.

### 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.*