MATHS Learn at Home packs: Year 6, Week 12

These notes are intended for teachers who are using these materials to continue to teach their class using any form of online file sharing.

> *'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 equivalent fractions, decimals and percentages using the image of the blank 100 square. Children practise writing equivalent fractions decimals and percentages, and then use equivalence to compare them.
- **Day 2** – Children use the equivalences rehearsed on Day 1 to find percentages of amounts, then use key percentages/fractions to find other percentages of amounts.
- **Day 3** – Children revise the concepts involved in multiplying fractions. They are supported by images of pizzas and grids, and are also reminded of calculation 'tricks'. Encourage children to tackle the investigation to gain further fluency.
- **Day 4** – In Learning Reminders, children are asked to work out the step size in sequences with some terms missing. They are asked to complete the sequence. They use this skill in the practice sheets.
- **Day 5** – In Learning Reminders and practice sheets, children are asked what the 10th, 100th and then nth terms in sequences might be. There is an investigation to take this idea further for those who are comfortable with the idea of the nth term.

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 Week

Day 1 – Find equivalent fractions, decimals and percentages.

Day 2 – Find fractions and percentages of numbers and measures, including money.

Day 3 – Multiply pairs of fractions.

Day 4 – Generate and describe linear number sequences.

Day 5 – Generate and describe linear number sequences; write an expression for the nth term.

*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.