

## MATHS Learn at Home packs: Year 5, Week 11

**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.

***'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 mental strategies for multiplication and division*, drawing on times table facts. There are then opportunities to practise this in exercises and an investigation.
- **Day 2** – Using the *reminders slides*, revise the use of the RUCSAC acronym to help tackle word problems. Then use the exercises to practise and an engaging investigation to explore further.
- **Day 3** – Using the *reminders slides*, further extend use of 'RUCSAC' to tackle 2-step problems. After the practice exercises, use the problem solving and reasoning questions to check understanding of this topic.
- **Day 4** – *Provide some teacher input, using the PowerPoint presentation\* to model how to use an empty number line to count up* to find elapsed times or durations in time problems. Practice exercises and an investigation follow.
- **Day 5** – Using the *reminders slides*, look at examples of *counting on* to find a 'time later' on an empty number line. After the practice exercises, use the problem solving and reasoning questions to check understanding of this topic.

### 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** – Multiply and divide numbers mentally drawing on known facts.

**Day 2** – Solve word problems needing mental multiplication or division.

**Day 3** – Solve single and multi-step problems, deciding which calculation(s) are necessary.

**Day 4** – Calculate time intervals using the 24-hour clock.

**Day 5** – Calculate time intervals using the 24-hour clock.

*\*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.*