# MATHS Learn at Home packs: Year 5, 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, 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* revising how to find multiples and factors. These are used in the following practice exercise and investigation.
- **Day 2** – Using the *Learning Reminders* consider how to create a scale model, finding a fractional amount. Then use exercises and investigation to practise.
- **Day 3** – Using the *Learning Reminders*, explore the sequences of square and cube numbers. There is a practice exercise and an investigation to use these numbers; then check understanding of this topic.
- **Day 4** – *Provide some teacher input*, using the PowerPoint presentation* to revise Roman numerals to 100 and extend this to 1000. After a practice exercise, try the investigation to explore an alternative counting system.
- **Day 5** – Using the *Learning Reminders*, look at how to write dates using Roman numerals. 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** – Find common multiples and common factors.

**Day 2** – Solve problems requiring scaling by simple fractions.

**Day 3** – Recognise and use square numbers and cube numbers.

**Day 4** – Read/write Roman numerals to 1000.

**Day 5** – Recognise years written in Roman numerals.

*\*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.*