

MATHS Learn at Home packs: Year 5, Week 8

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** – *Provide input* using the PowerPoint presentation* on fractions and percentages. Teaching demonstrates the equivalence between fractions and percentages. Children practise this in exercises and an investigation.
- **Day 2** – Using the *reminders slides*, children revisit some of the common fraction/percentage equivalents, then explore how to use these to solve problems. They tackle a practical activity and exercises to apply these skills.
- **Day 3** – *Provide some teacher input*, using the PowerPoint presentation* on fractional amounts to remind children how to find these. Model using the equivalence of fractions and percentages to find percentages. Learning is applied in a practice sheet and investigation. Use the problem-solving and reasoning questions to check understanding of this topic.
- **Day 4** – *Provide some teacher input*, using the PowerPoint presentation* on negative numbers; practise counting on and back through zero. Practice exercises and an investigation follow.
- **Day 5** – Using the *reminders slides*, consider how a number line can be used to compare and order negative numbers. Practice exercises follow. Children can use the problem solving and reasoning questions to check understanding.

Day 1 – Introduction to percentages as amounts out of 100; $50\% = \frac{1}{2}$, etc.

Day 2 – Exploring equivalence between percentages and fractions; $\frac{1}{10} = 10\%$.

Day 3 – Use equivalent fractions to find simple percentages of amounts.

Day 4 – Count on and back in steps through zero using temperature and or heights below sea level.

Day 5 – Compare and order negative numbers using temperature and number lines.

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.