

MATHS Learn at Home packs: Year 6, Week 3

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 some teacher input*, using the PowerPoint presentation* on finding the area of a rectangle. If children can access this in PowerPoint, they hear the voice-over. Demonstrate how we can halve this to find the area of a right-angled triangle. Extend this understanding to find the area of scalene triangles.
- **Day 2** – Children apply knowledge of factors and multiples to tackle problems involving scale factors. A 'Bit Stuck?' activity is provided to rehearse key skills if needed, and Practice exercises and a Problem-solving investigation are available.
- **Day 3** – Children broaden understanding of scaling by looking at the properties of 'similar shapes'. An interactive Learning reminder involves measuring; Practice exercises and Mastery round off the day.
- **Day 4** – Children revise the method of finding a volume by counting cubes. They generate a formula, understanding that we can multiply the area of the base by the height. They practise finding the volumes of different cuboids.
- **Day 5** – Children revise common percentage and fraction equivalences, remembering that 50% is one half, 25% is a quarter and 10% is one tenth. They also learn that 1% is a tenth of a tenth or a hundredth

Day 1 – Find the area of shapes, including triangles and parallelograms

Day 2 – Solve scale factor problems

Day 3 – Scaling: explore 'similar' shapes

Day 4 – Find the volume of a cube and a cuboid

Day 5 – Find percentages of amounts

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.*