

MATHS Learn at Home packs: Year 6, Week 9

These notes are intended for teachers who are continuing to teach their class using any form of online file sharing/ group chats/ video conferencing, etc.

The 'timetable' for this week's teaching and learning is as follows

- **Day 1** – *Learning Reminders* help children revise how to use multiplication facts and place value to multiply and divide mentally. They use these strategies in the practice sheets and in the problem-solving activity.
- **Day 2** – Children predict which divisions will have smallest/greatest answers. They use short division, simplifying fraction parts of answers. Have a go at the investigation to gain greater fluency using this method.
- **Day 3** – *Learning Reminders* revise co-ordinates in all four quadrants. Children find the co-ordinates of vertices of polygons and missing vertices of rectangles and of different types of quadrilateral.
- **Day 4** – *Provide some teacher input*, using the PowerPoint presentation * demonstrating 1-step and 2-step translations on the co-ordinates grid (no voice-over). Practise and explore co-ordinates of different polygon translations.
- **Day 5** – *Provide some teacher input*, using the PowerPoint presentation* to show shapes being reflected in the x-axis and y-axis. Ensure that children realise that the shapes need to be 'flipped'. Children practise reflecting quadrilaterals in the x-axis and y-axis.

Day 1 – Mental multiplication/division using factors, doubling, halving & place value.

Day 2 – Use short division, giving the answer with a fractional part and simplifying this as required.

Day 3 – Plot points and draw polygons in all 4 quadrants.

Day 4 – Work out new co-ordinates after the translation of a polygon.

Day 5 – Work out new co-ordinates after the reflection of a polygon.

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.*