

## Guidance for teachers – Lower KS2 Fractions 3

### 3.3 Non-unit fractions; identifying, representing, comparing

These short videos are intended to provide your pupils with interactive lessons whilst they are learning from home. You can choose how regularly you set them for your class. Some of the learning might be consolidation and practice which aids confidence and retrieval and helps build firm foundations for moving on to future areas of mathematics. It is important that pupils experience these in the suggested order. They have been designed to be a coherent sequence of learning which builds on previous understanding and exemplify a [teaching for mastery approach](#).

General features of a teaching for mastery approach, which can be found within these lessons:

- **Stem sentences** which promote precise mathematical vocabulary and generalisations for all pupils
- **Representations** which are carefully chosen and can be concrete, iconic or abstract and that move between the three.
- **Opportunities for deepening understanding for all pupils** - using small steps of learning enables pupils to learn together and gain deep conceptual understanding.
- **Independent practice and retrieval** - you could ask the children to send you their practice activities so that you can check understanding. You could also set supplementary activities to extend practice and develop fluency.

**Lesson 1** - In this lesson, there is a brief review of previous learning on unit fractions. Pupils begin to identify 'more than one equal part of the whole' using a variety of shapes to represent this.

**Lesson 2** - Pupils apply their learning from Lesson 1 but now will be able to identify 'more than one equal part of the whole' when using linear representations and measures contexts.

**Lesson 3** - This lesson provides the opportunity for children to continue to build their conceptual understanding of 'more than one equal part of the whole' by offering non-standard examples for children to practise.

**Lesson 4** - Building on previous knowledge of how to construct the fractional notation for unit fractions, pupils will learn how to write and interpret the fractional notation of non-unit fractions.

These lessons have been planned from the NCETM Mastery PD Materials. Please access the original materials [here](#).

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