

## Guidance for teachers – Lower KS2 Fractions 2

### 3.2 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.

The aim of this series of lessons is to secure and deepen pupils understanding of unit fractions by building wholes from unit fractions and making comparisons. Thinking is challenged when unit fractions are the same but build larger or smaller wholes or unit fractions are different but still represent the same quantity. Pupils' attention should be drawn to the fact that it is the relationship between the part and the whole that is important.

**Lesson 16** - Build and compare different wholes from different unit fractions that have the same length.

**Lesson 17** - Build and compare different wholes from the same unit fractions that represent different lengths.

**Lesson 18** - Build and compare different wholes from different unit fractions that represent the same quantity.

**Lesson 19** - Build and compare different wholes from the same unit fractions that represent different quantities.

**Lesson 20** - Build and compare wholes when different unit fractions represent different amounts.

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

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