

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 20 - Building on the previous sessions, by the end of the lesson, pupils will be able to order several fractions with the same denominator using the generalisation used previously. They will be able to apply this to fractions within word problems.

Lesson 21 - This lesson focuses on comparing two unit fractions of the same whole. Pupils will understand and will use the generalisation that 'when comparing unit fractions, the greater the denominator, the smaller the fraction'. This will be exemplified using the familiar area model in this lesson.

Lesson 22 - There are opportunities to deepen understanding of comparing the size of unit fractions. In this lesson. Unit fractions will be placed on a number line and the proximity to 0 and 1 is drawn out. The greater the denominator of a unit fraction, the closer it will be to 0.

Lesson 23 - This lesson has been designed, using careful scaffolds, so that the pupils will use their previous learning of comparing unit fractions to be able to compare two non-unit fractions with the same numerator.

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

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