

Activity:

The aim of this activity is for children to practise converting decimals to their equivalent fractions. There are three questions to complete. The first two questions allow children to practise the skill, while the third question extends them as they have to problem solve and explain their answer.

Vocabulary:

A **numerator** is the top part of a fraction. It shows how many parts of the whole are being considered.

A **denominator** is the bottom part of a fraction. It shows how many equal parts the whole has been split into.

Simplified fractions are fractions where the numerator and denominator cannot be any smaller, although they must still be whole numbers. To find a simplified fraction, the numerator and denominator must be divided by the same number.

A **prime number** is a number that can only be divided by itself and 1. For example, 19.

Supporting resources:

You can watch a video tutorial about decimals as fractions on kids.classroomsecrets.co.uk >> **Year 6** >> **Maths** >> **Decimals** >> **Video Tutorials**.

You can watch the answer explanation video which takes children through this activity and ways to answer it on <https://www.youtube.com/user/ClassroomSecretsLtd/playlists> >> **Year 6 Playlist** >> **Decimals as Fractions Answer Explanation**.

Other resources:

If your child enjoyed this activity and wants to try more activities linked to this learning, you can sign up for £4.83 per month on classroomsecrets.co.uk/membership.

Check out our daily timetable for Year 6 home learning activities on kids.classroomsecrets.co.uk >> Home Learning Timetable.

Decimals as Fractions

1. A, C and D are correct.
2. A. $\frac{8}{25}$, B. $\frac{1}{20}$, C. $\frac{3}{4}$, D. $\frac{11}{20}$; C and D have prime numbers as their numerators.
3. Both children are correct because 0.15 is equivalent to $\frac{15}{100}$ and $\frac{3}{20}$. Rhian's fraction is in its simplest form.