

Activity:

The aim of this activity is for children to practise converting decimals in to 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 **100 square** is a 10 x 10 grid (100 squares) that can be used in different ways to help with counting or representing numbers. When used with decimals, it represents the number 1 to help demonstrate the place value of a decimal number.

Supporting resources:

You can watch a video tutorial about decimals as fractions on kids.classroomsecrets.co.uk >> **Year 5 >> Maths >> Decimals and Percentages >> 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 5 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 5 home learning activities on kids.classroomsecrets.co.uk >> Home Learning Timetable.

Decimals as Fractions

1. A. 25 squares coloured, $\frac{25}{100}$ or $\frac{1}{4}$; B. 70 squares coloured $\frac{70}{100}$ or $\frac{7}{10}$
2. A. 0.5, $\frac{1}{2}$; B. 0.2, $\frac{1}{5}$; C. 0.3, $\frac{30}{100}$
3. False. Various answers, for example: The place value of the digits in the decimal is incorrect. It should say 0.25, which is equivalent to $\frac{25}{100}$ or $\frac{1}{4}$.