

Activity:

The aim of this activity is for children to practise adding and subtracting fractions where the denominators are not multiples of the same number. They find the lowest common multiple and the equivalent fractions for both numbers in order to find a common denominator. 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 to find more than one solution.

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.

Equivalent means equal in value. For example, equivalent fractions may use different numerators and denominators, but represent the same part of a whole.

A **multiple** is a product of one number multiplied by another number. For example, multiples of 10 are the products of numbers multiplied by 10.

The **lowest common multiple** is the smallest number that is a multiple of two or more given numbers. For example, 12 is the lowest common multiple of 2, 3 and 4.

Supporting resources:

You can watch a video tutorial about adding and subtracting fractions on [kids.classroomsecrets.co.uk](https://www.kids.classroomsecrets.co.uk) >> [Year 6](#) >> [Maths](#) >> [Fractions](#) >> [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](#) >> [Add and Subtract Fractions 2 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](https://www.classroomsecrets.co.uk/membership).

Check out our daily timetable for Year 6 home learning activities on [kids.classroomsecrets.co.uk](https://www.kids.classroomsecrets.co.uk) >> Home Learning Timetable.

Add and Subtract Fractions 2

1. $A = 1\frac{8}{35}$; $B = 1\frac{5}{12}$; $C = \frac{19}{40}$; $D = \frac{7}{18}$

2. Harry is correct. Alice has not worked out the correct numerator or denominator.

3. Various possible answers, for example: $\frac{5}{9} + \frac{1}{8} = \frac{49}{72}$; $\frac{5}{9} + \frac{2}{8} = \frac{58}{72}$; $\frac{5}{9} + \frac{3}{8} = \frac{67}{72}$