

Activity:

The aim of this activity is for children to practise linking addition and subtraction using fact families. 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:

Related facts, also known as **fact families** are a group of four calculations that are created using the same three numbers, for example $2 + 5 = 7$, $5 + 2 = 7$, $7 - 2 = 5$, $7 - 5 = 2$. This can also be used to identify related facts up to 100, for example $20 + 50 = 70$.

A **part-whole model** is a concept to show how numbers can be split into different parts. They can be used to represent numbers, as well as a wide variety of calculations. The concept follows the structure $\text{part} + \text{part} = \text{whole}$, but this may change depending on how many parts there are.

Bar models show how numbers can be split into different parts, by splitting them into bars or boxes. Bar models can be used to solve a wide variety of calculations, showing the relationship between the whole model and the parts.

Digit cards refers to a physical resource which can be used to create numbers. The digits 0 to 9 are written on individual cards (or paper) and can be ordered to make different numbers. They are especially useful when investigating the value of digits within a number on a place value chart.

Supporting resources:

You can watch a video tutorial about fact families on kids.classroomsecrets.co.uk >> **Year 2 >> Maths >> Addition and Subtraction >> 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 2 Playlist >> Fact Families 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 2 home learning activities on kids.classroomsecrets.co.uk >> Home Learning Timetable.

Fact Families

1. $4 + 10 = 14$; $10 + 4 = 14$; $14 - 10 = 4$; $14 - 4 = 10$
2. $12 + 5 = 17$; $5 + 12 = 17$; $17 - 5 = 12$; $17 - 12 = 5$
3. Digit cards 7 and 9 \rightarrow $9 + 7 = 16$; $7 + 9 = 16$; $16 - 7 = 9$; $16 - 9 = 7$

Accept:

