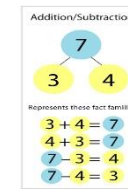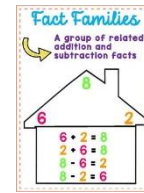# Using Assorted Practical Materials to Learn Fact Families

Fact families are a group of related addition and subtraction facts that are made from a set of three numbers. Having a good knowledge of number bonds helps to readily create fact families.
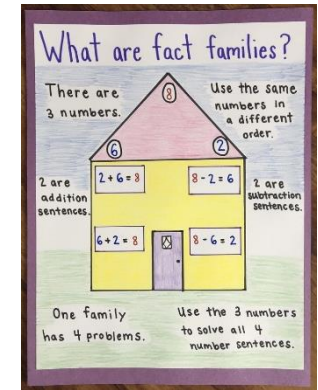
Through your choice of material, use your knowledge of addition and subtraction number bonds to create fact families using different sets of three numbers. Use your chosen materials to show each sum in the fact family, e.g. 4, 3 and 7 – you would show 3 + 4 = 7, 4 + 3 = 7, 7 – 3 = 4 and 7 – 4 = 3.
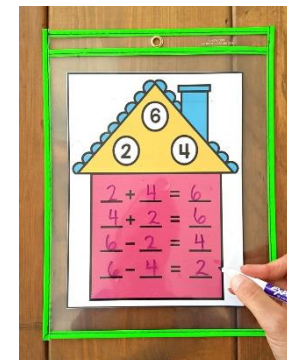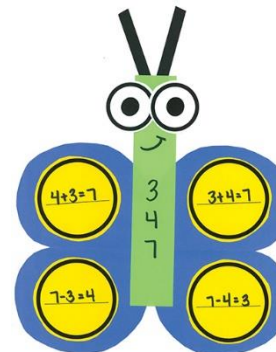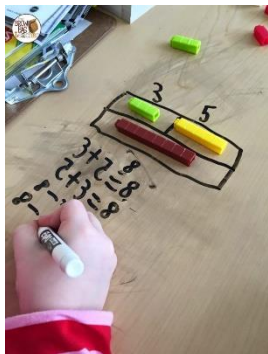
Challenge 1: Try to make fact families to link all the addition and subtraction number bonds you have been learning to 10 (hint: there are thirty families, excluding the doubles numbers) – you could even make a house for each one to create your own street.

Challenge 2: When you are confident creating fact families for numbers up to 10, try creating fact families for numbers to 20 (e.g. 14, 3 and 17 – you would show 3 + 14 = 17, 14 + 3 = 17, 17 – 3 = 14 and 17 – 14 = 3).

Challenge 3: You could even try to create fact families for multiples of 100 (e.g. 40, 30 and 70 – you would show 30 + 40 = 70, 40 + 30 = 70, 70 – 30 = 40 and 70 – 40 = 30).

This is still about personalisation and choice – doing it your way! So, choose the materials you want to help you create the fact families (e.g. cars, pasta, seeds) and then record your results in your chosen way (e.g. lists, flowers, butterflies or even the house sheet below (which you may want to laminate or place in a polypocket if you want to be able to use a whiteboard pen to write on and erase your answers)). You can work and choose items from inside or out.

FACT FAMILIES