

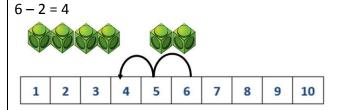
<u>Subtraction Calculation Policy adapted from White Rose Maths Hub Progression in Calculations – supported with a rich use of vocabulary and discussion throughout using 'stem sentences'</u>

Calculation policy: Subtraction

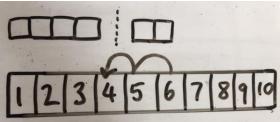
Key language: take away, less than, the difference, subtract, minus, fewer, decrease.

Pictorial /Draw it Concrete/ Build it Abstract / Write it/ Say it Physically taking away and removing objects from a Children to draw the concrete resources they are 4-3= whole (ten frames, Numicon, cubes and other items such using and cross out the correct amount. The bar Say it: 4 is the whole, when we as beanbags could be used). model can also be used. subtract we take away from the whole. = 4 - 34 - 3 = 10000

Counting back (using number lines or number tracks) children start with 6 and count back 2.

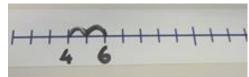


Children to represent what they see pictorially e.g.



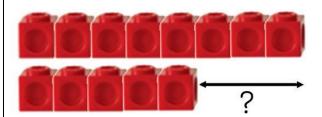
Children to represent the calculation on a number line or number track and show their jumps. Encourage children to use an empty number line





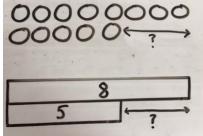
Say it: start on the biggest number and count back the jumps.

Finding the difference (using cubes, Numicon or Cuisenaire rods, other objects can also be used).



Calculate the difference between 8 and 5.

Children to draw the cubes/other concrete objects which they have used or use the bar model to illustrate what they need to calculate.



Find the difference between 8 and 5.

8–5, the difference is

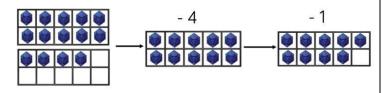


Children to explore why 9-6=8-5=7-4 have the same difference.

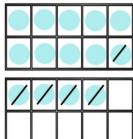
Say it: 5 and 3 more make 8

Making 10 using ten frames.

$$14 - 5 =$$



Children to present the ten frame pictorially and discuss what they did to make 10.



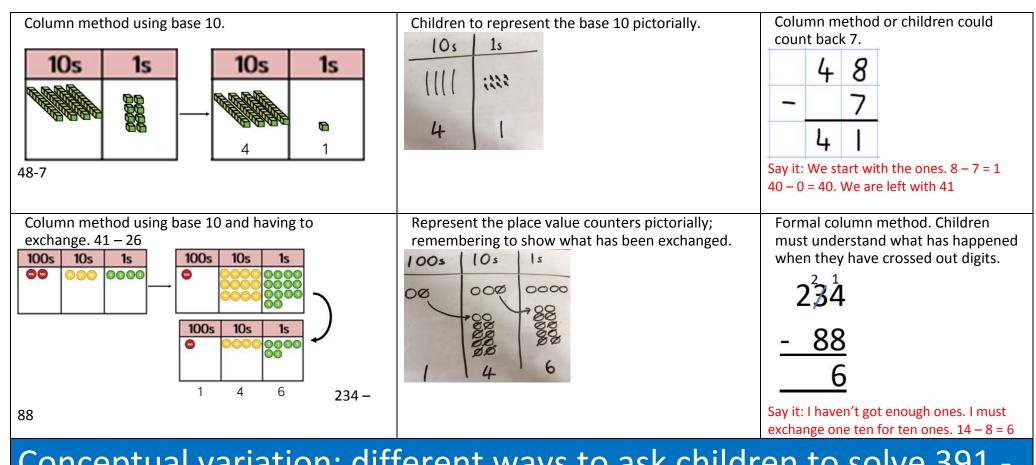
Children to show how they can make 10 by partitioning the subtrahend.

$$14 - 5 = 9$$

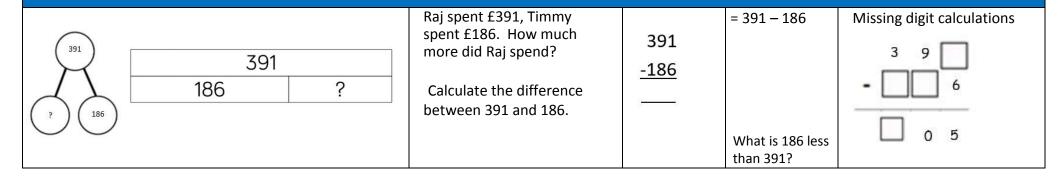
$$4 \qquad 1$$

$$10 - 1 = 9$$

Say it: 5 is the whole 4 is a part, 1 is a part. I subtract 4 to the nearest multiple of ten then I subtract 1. I subtract 5 in total.



Conceptual variation; different ways to ask children to solve 391 - 186



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