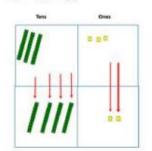
Year	Objective	Concrete	Pictorial	Abstract
1	Taking	Use physical objects, counters, cubes etc.	Cross out drawn objects to show what	4 – 2 = 2
	away ones	to show how objects can be taken away.	has been taken away.	
		4-2=2	4-2=2	
1	Counting	Make the larger number in your	Count back on a number line or number	Put 13 in your head, count back 4. What
	back	subtraction. Move the beads along your	track	number are you at? Use your fingers to
		bead string as you count backwards in		help.
		ones.	9 10 11 12 13 14 15	
		And the second of the second	Start at the bigger number and count	
		000000000	back the smaller number, showing the	
		decare above have	jumps on the number line.	
		13 – 4 = 9		
1	Find the difference	Compare amounts and objects to find the difference. 8 goldfish Use cubes to build towers or make bars to find the difference. Use basic bar models with items to find the difference.	Count on to find the difference. Lisa is 13 years old. Her sister is 22 years old. Find the difference in age between them. 13 ? Lisa Sister 22 Draw bars to find the difference between 2 numbers.	Hannah has 8 goldfish. Helen has 3 goldfish. Find the difference between the number of goldfish the girls have.

2 Column method without regrouping

Base 10 will support conceptual understanding of number initially before progressing to place value counters.

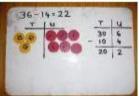
75 - 42 = 33

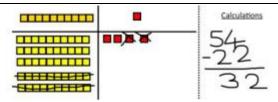


Use Base 10 to make the bigger number then take the smaller number away.

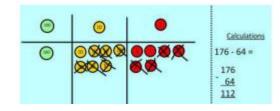
Show how you partition numbers to subtract.

Again make the larger number first.

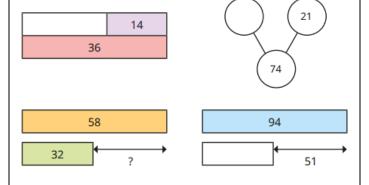




Draw the Base 10 or place value counters alongside the written calculation to help to show working.



Part-whole and bar models will provide a good visual as children progress from pictorial representations to abstract.



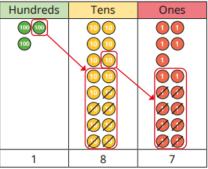
$$47 - 24 = 23$$

$$\begin{array}{r} 40 + 7 \\ 20 + 4 \\ \hline 20 + 3 \end{array}$$

This will lead to a clear written column subtraction.



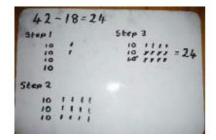
Use Base 10 to start with before moving 3+ Column method on to place value counters. Start with with one exchange before moving onto regrouping subtractions with 2 exchanges. Make the larger number with the place value counters Calculations 000 234 00 - 88 Start with the ones, can I take away 8 from 4 easily? I need to exchange 1 of my tens for 10 ones. Calculations (O) (O) 234 @@ 88 Now I can subtract my ones. Calculations 234 00 00 - 88 .

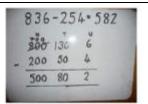


Draw the counters onto a place value grid and show what you have taken away by crossing the counters out as well as clearly showing the exchanges you make.

When confident, children can find their own way to record the exchange/regrouping.

Just writing the numbers as shown here shows that the child understands the method and knows when to exchange/regroup.





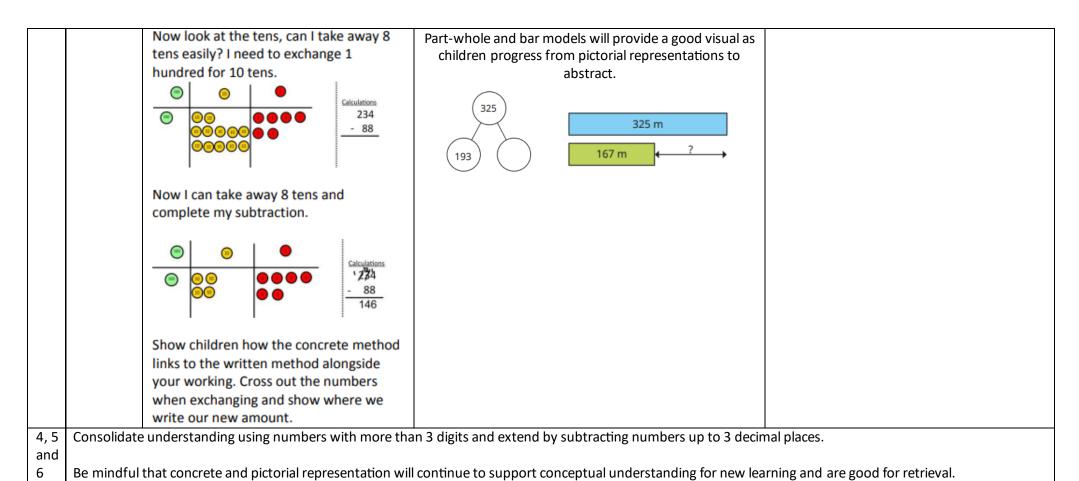
Children can start their formal written method by partitioning the number into clear place value columns.



Moving forward the children use a more compact method.

This will lead to an understanding of subtracting any number including decimals.

all children can access the learning.



Some learners in higher year groups will still need to use concrete resources and pictorial representations in lessons so adaptive practice will be needed to ensure