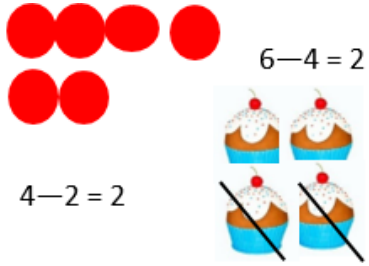
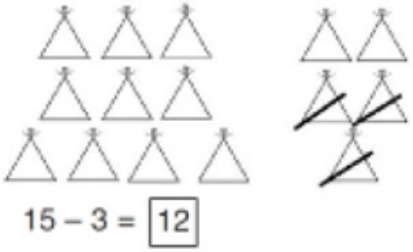
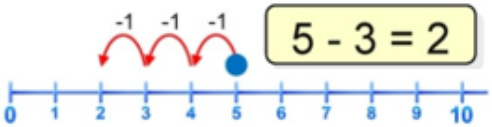
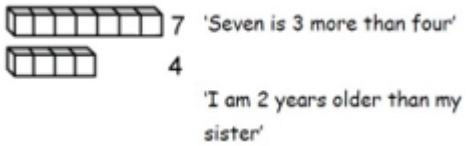
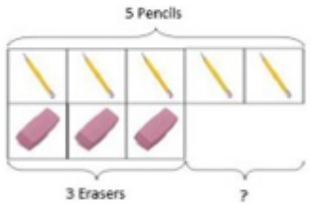
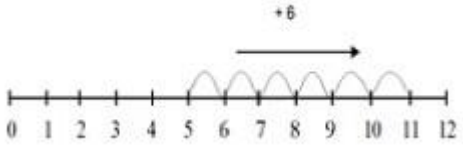
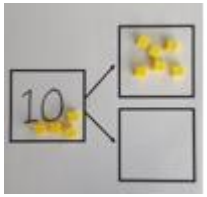
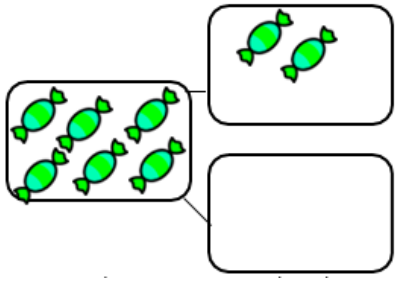
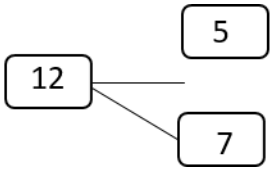
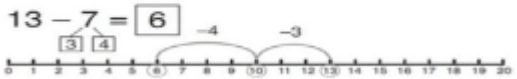
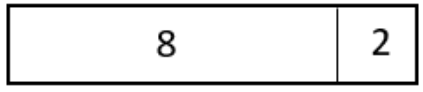
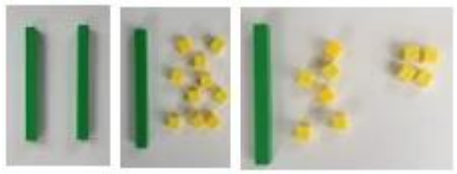
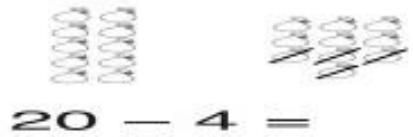
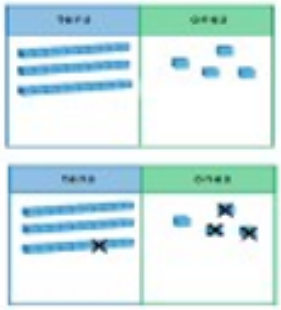
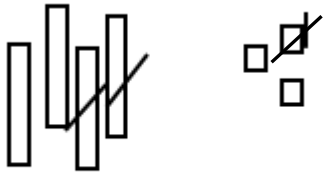
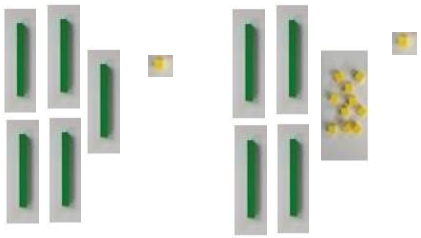
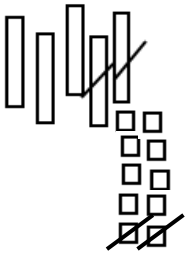
CPA Policy

Subtraction – Y1

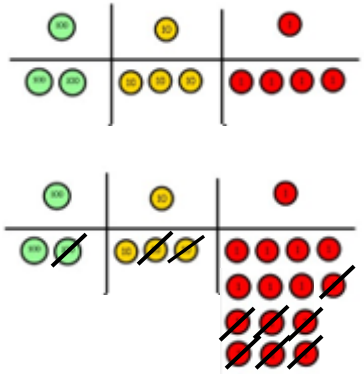
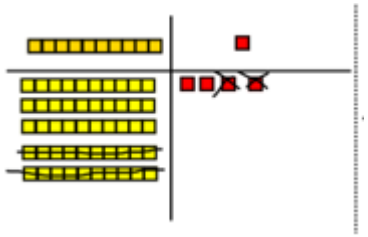
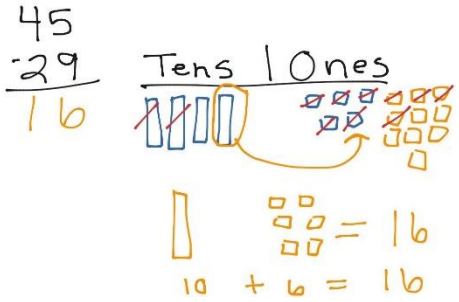
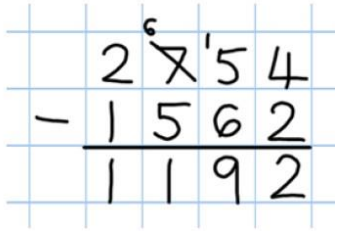
Objective and Strategy	Concrete	Pictorial	Abstract
Taking away ones.	Use physical objects, counters, cubes etc to show how objects can be taken away 	Cross out drawn objects to show what has been taken away. 	7—4 = 3 16—9 = 7
Counting back	Move objects away from the group, counting backwards. 	Count back in ones using a number line 	Put 13 in your head, count back 4. What number are you at?
Find the Difference	Compare objects and amounts  Lay objects to represent bar model. 	Count on using a number line to find the difference. 	Hannah has12 sweets and her sister has 5. How many more does Hannah have than her sister?

Represent and use number bonds and related subtraction facts within 20 **Part Whole model**	Link to addition. Use PPW model to model the inverse.  If 10 is the whole and 6 is one of the parts, what's the other part? 10—6 = 4	Use pictorial representations to show the part. 	Move to using numbers within the part whole model. 
Make 10	Make 14 on the ten frame. Take 4 away to make ten, then take one more away so that you have taken 5.  14 – 5 = 9	Jump back 3 first, then another 4. Use ten as the stopping point. 13—7  	16—8 How many do we take off first to get to 10? How many left to take off?
Bar model	5—2 = 3 		10 = 8 + 2 10 = 2 + 8 10—2 = 8 10—8 = 2 

Subtraction – Y2

Objective and Strategy	Concrete	Pictorial	Abstract
Regroup a ten into ten ones	Use a PV chart to show how to change a ten into ten ones, use the term 'take and make' 	 20 — 4 =	20—4 = 16
Partitioning to subtract without re-grouping.	Use Dienes to show how to partition the number when subtracting without regrouping. 34—13 = 21 	Children draw representations of Dienes and cross off.  43—21 = 22	See Calculation policy
Partitioning to subtract with re-grouping.	Use take and make strategy so that 3 ones can be taken away **51 – 13 = 38** 	 **51 – 13 = 38** Use take and make strategy to regroup a ten into ten ones so that 3 ones can be taken away.	See Calculation policy

Subtraction – Y3 and 4

Objective and Strategy	Concrete	Pictorial	Abstract
Y3—Subtract numbers with up to 3 digits **Expanded column method** Y4 – Subtract with up to 4 digit numbers **Column Method**	Use base 10 or PV counters to model – physically take resources away  Moving onto 3 digit numbers with and without exchanging  234 – 117= 117	Draw representations to support understanding  Moving onto exchanging 	See calculation policy 53 - 22 1 30 31 See Calculation policy  Use phrase “take and make”