Year	Objective	Concrete	Pictorial	Abstract
1	Regrouping to make 10	6 + 4 = 10 6 + 5 = 11	10 Note that the second sec	8 + 2 = 10
		Start with the bigger number and use the smaller number to make 10		6 + 5 = 11
		A second 10 frame can be used to go beyond 10.	6+5=11	
			6 + 4 =10	
			10 + 1 = 11	
2	Column method without regrouping (two 2- digit numbers).	Add together the ones first, then add the tens. Use the Base 10 blocks first before moving onto place value counters. 24 + 15 =	After physically using the base 10 blocks and place value counters, children can draw the counters to help them to solve additions.	24 + 15 = 39 24 + 15
			10s 1s 0 0 0	39







Children can draw a pictoral representation of the columns and place value counters to further support their learning and understanding.

NB Addition of money needs to have £ and p added separately.

146 527

Bar models will provide a good visual as children progress from pictorial representations to abstract.

100 + 40 + 6 500 + 20 + 7600 + 70 + 3 = 673

As the children progress, they will move from the expanded to the compacted method.

	146	
+	527	
	673	
		1

Encourage using squares when laying out additions and always starting with the ones or lowest place value column when progressing to decimals.

	Н	Т	0	
	3	5	3	
+	2	4	7	

As the children move on, introduce decimals with the same number of decimal places and different. Money can be used here.

5	Consolidate understanding using numbers with more than 3 digits and extend by adding numbers up to 3 decimal places.
and	
6	Be mindful that concrete and pictorial representation will continue to support conceptual understanding for new learning and are good for retrieval.
	Some learners in higher year groups will still need to use concrete resources in lessons and pictorial representations so adaptive practice will be needed to ensure
	all children can access the learning.