

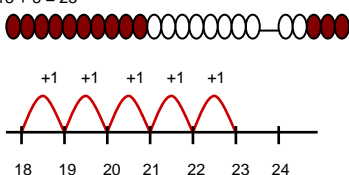
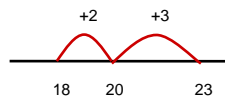
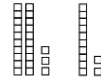
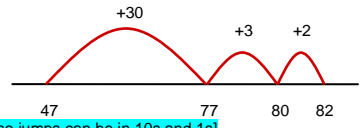
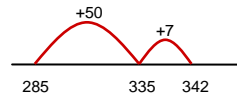
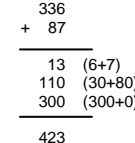
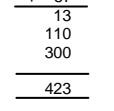
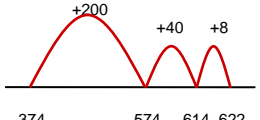
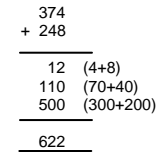

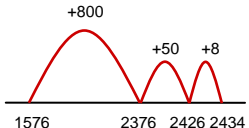
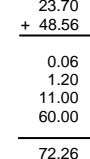

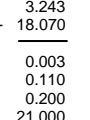



YR	Addition as 'combining 2 groups'	Practical / recorded using ICT (eg digital photos / pictures on IWB)	Pictures / Objects I buy 2 cakes and my friend buys 3 cakes. How many cakes did we buy altogether?  Might be recorded as: $2 + 3 = 5$		Symbols 8 people are on the bus. 5 more get on at the next stop. How many people are on the bus now?  [Might be recorded as: $8 + 5 = 13$ ]		1 more (numbers up to 10)	(see recording)	
Y1	Addition as 'counting on' $U + U$ (bridging 10) $TU + U$ (bridging 20)	Practical / recorded using ICT	Pictures / Symbols (see above)	Number track / Number line – jumps of 1 (modelled using bead strings) $18 + 5 = 23$ 		Number line (efficient jumps) $18 + 5$ 	No number line $18 + 5$ $18 + 2 = 20$ $20 + 3 = 23$	Pairs to 10 Facts up to 5 1 / 10 more than a number	U + multiple of 10 TU + multiple of 10 +9 (by +10, -1)
Y2	$TU + TU$ (bridging 10s / 100)	Pictures / Symbols $23 + 12 = 35$ 	Number line (efficient jumps) $35 + 47$  [Also jumps can be in 10s and 1s]		No number line $35 + 47$ $47 + 30 = 77$ $77 + 3 = 80$ $80 + 2 = 82$	Partitioning $35 + 47$ $40 + 30 = 70$ $7 + 5 = 12$	Bonds up to 10 Pairs to 20 Pairs to 100 (using multiples of 10)	$TU + U$ / multiple of 10 $U + U + U$	
Y3	$TU + TU$ (bridging 100) $HTU + TU$ (not bridging 1000) $HTU + HTU$ (not bridging 1000)	Number line $57 + 285 = 342$ 	No number line $57 + 285 = 342$ $285 + 50 = 335$ $335 + 7 = 342$	Partitioning $57 + 285 = 342$ $200 + 80 + 5$ $+0 + 50 + 7$ $200 + 130 + 12 = 342$	Expanded vertical $336 + 87 = 423$ 	Expanded vertical 	Bonds to 20 / 100 Pairs of two-digit multiples of 10 Multiples of 50 that total 1000	$TU + U$ / TU $TU +$ near multiple of 10	
Y4	$HTU + TU$ $HTU + HTU$ (incl bridging 1000) Decimals: money (£7.85 + £3.49)	Number line $374 + 248 = 622$ 	No number line $374 + 248 = 622$ $374 + 200 = 574$ $574 + 40 = 614$ $614 + 8 = 622$	Partitioning $374 + 248 = 622$ $300 + 70 + 4$ $+200 + 40 + 8 = 622$ $500 + 110 + 12 = 622$	Expanded vertical 	Compact vertical 	Bonds to 1000 Derive sums of pairs of multiples of 10 / 100 / 1000 (Multiples of 50 that total 1000) Pairs of fractions to 1	$TU + TU$ (Pairs of multiples of 10 / 100 / 1000) Three, 2-digit multiples of 10 Two, three-digit multiples of 10	
Y5	$ThHTU + HTU$ Decimals up to 2dp (23.7 + 48.56)	Number line $1576 + 858 = 2434$ 	No number line $1576 + 858 = 2434$ $1576 + 800 = 2376$ $2376 + 50 = 2426$ $2426 + 8 = 2434$	Partitioning $1576 + 858 = 2434$ $1000 + 500 + 70 + 6$ $+0 + 800 + 50 + 8$ $1000 + 1300 + 120 + 14 = 2434$	Expanded vertical 	Compact vertical 	(derive) Bonds up to 1 (2dp) (derive) Bonds up to 10 (1dp)	Decimal + Decimal (eg 19.7 + 3.4)	
Y6	Consolidate / extend Y5 including: Three numbers Decimals up to 3dp (context: measures)	Number line $3.243 \text{ km} + 18.07 \text{ km} =$	No number line $3.243 \text{ km} + 18.07 \text{ km}$ $18.07 + 3 = 21.07$ $21.07 + 0.2 = 21.27$ $21.27 + 0.04 = 21.31$ $21.31 + 0.003 = 21.313$	Partitioning $3.243 \text{ km} + 18.07 \text{ km} = 21.313$ $10 + 8 + .0 + .07 + .000$ $+0 + 3 + .2 + .04 + .003$ $10 + 11 + .2 + .11 + .003 = 21.313$	Expanded vertical 	Compact vertical 	(as above)	Integer / decimal (1dp) + Integer / decimal (1dp)	

Estimation and checking