



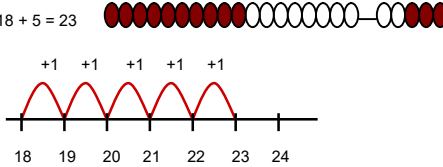
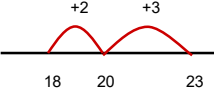

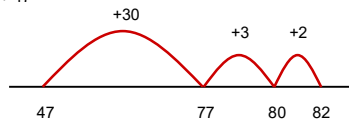
ADDITION

AGE-RELATED EXPECTATIONS

Recording

Rapid Recall

Mental calculation

Estimation and checking	YR Addition as 'combining 2 groups' $U + U$	Practical / recorded using ICT (eg digital photos / pictures on IWB)	Pictures / Objects I eat 2 cakes and my friend eats 3. How many cakes did we eat 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 (nos up to 20)	(see recording)
	Y1 Solve 1 step problems 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 WITHIN 20 1 / 10 more than a number up to 100	$U +$ multiple of 10 $TU +$ multiple of 10 +9 (by +10, -1)
	Y2 Solve problems $TU + U$ (bridging 20) $TU +$ multiples of 10 $TU + TU$ (bridging 10s) $U + U + U$	Pictures / Symbols $23 + 12 = 35$ 	Number line (efficient jumps) [Also jumps can be in 10s and 1s] $35 + 47$ 	Partitioning $35 + 47$ $40 + 30 = 70$ $7 + 5 = 12$	Bonds up to 20 Pairs to 20 & 100 Pairs to 100	$TU + U /$ multiple of 10 $U + U + U$	
	Y3 Formal Written Method $TU + TU$ (bridging 100) $HTU + TU$ (not bridging 1000) $HTU + HTU$ (not bridging 1000) End Y3 – formal column	Partitioning $57 + 285$ $200 + 0 = 200$ $80 + 50 = 130$ $5 + 7 = 12$	Expanded vertical $336 + 87 = 423$ 300 and 30 and 6 + 80 and 7 <hr/> 300 and 110 and 13	Expanded Vertical 374 $+ 248$ 12 110 <hr/> 622	Count on in 4, 8, 50 & 100, including on and back in tenths 10/ 100 more than a number Pairs of two-digit multiples of 10 Multiples of 50 that total 1000	$HTU + U /$ multiple of 10's or 100's $TU +$ near multiple of 10	
	Y4 Formal Written Method Solve 2 step problems $HTU + TU$ $HTU + HTU$ (incl bridging 1000) $ThHTU + ThHTU$ Decimals: money (£7.85 + £3.49)	Expanded Vertical 374 $+ 248$ 12 110 <hr/> 622	Compact vertical 374 $+ 248$ <hr/> 622	Count on in 6, 7, 9, 25, 1000, including count on and back in hundredths 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 Formal Written Method Multi step problems Whole numbers with more than 4 digits Decimals up to 2dp (23.7 + 48.56)	Compact vertical 123.70 $+ 48.56$ <hr/> 172.26	13452 $+ 2325$ <hr/> 15777	(derive) Bonds up to 1 (2dp) (derive) Bonds up to 10 (1dp)	Decimal + Decimal (eg 19.7 + 3.4) YS – Increasingly large numbers (12,462 + 2,300 = 14,762)		
Y6 Multi step problems Consolidate / extend Y5 including: Three numbers Decimals up to 3dp (context: measures)	Compact vertical 3.243 $+ 18.070$ <hr/> 21.313		(as above)	Integer / decimal (1dp) + Integer / decimal (1dp)			

