

	KIRFS Counting, verbal number bonds & multiplication / skip counting					
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	Count to 50 in 1s forward from 0 or 1	Count to 100 in 1s forward / backward from 0 or 1	Count backwards from 50 in 1s to 0	Count backwards from 100 in 1s to 0	Count forwards / backwards in 1s from any number	Count in 1s crossing 100 forwards / backwards
	No bonds to 10	No bonds to 10 with associated facts (if $4+6=10$ then $6+4=10$)	No bonds to 10 (if $4+6=10$ then $6+4=10$ $10-6=4$ and $10-4=6$)	No bonds within 10	No bonds to 20	No bonds within 20
	Count in 2s up to 24, linking with even nos & supporting doubles	Count in multiples of 10 in order up to 120	Extend counting in multiples of 2s & 10s.	Count in multiples of 5 up to 60, linking with knowledge of counting in 10s	Count in multiples of 2, 5 and 10 with growing fluency	Count in multiples of 2 to 24, 5 to 60 and 10 to 120 fluently in order from 0
Year 2	Counting in 1s and 2s forwards / backwards recognising odd / even nos	Counting in steps of 2 and 5 from 0 up to 12x fluently	Counting in 2s, 5s and 10s fluently	Counting in 1s fluently crossing 100 forwards and backwards starting from different numbers.	Count in multiples of 3 up to 12×3 in order from 0.	Count in multiples of 3 up to 12×3 in order from 0 with growing fluency.
	Recall number bonds to 10 linking associated facts fluently.	Recall number bonds to and within 10 linking associated facts fluently.	Double and half numbers to 20	Calculate no bonds to & within 20 with assoc facts e.g. $7+3=10$ so $17+3=20$ & $20-17=3$	Recall all no bonds to & within 10 fluently. Recall addition & subtraction facts to 20 with growing fluency	Recall + & - subtraction facts to 20 with growing fluency & use these to derive facts to 100.
	Consolidate counting in 2s, 5s and 10s in order from 0 up to 24, 60 and 120.	Recall multiples of 10 up to 12×10 in any order with growing fluency including missing numbers and related division facts.	Recall multiples of 2 up to 12×2 in any order, including missing numbers and related division facts. Recall multiples of 10 up to 12×10 fluently.	Recall multiples of 5 up to 12×5 in any order, incl missing nos & related division facts. Recall multiples of 2 up to 12×2 in any order, incl missing nos with growing fluency.	Recall multiples of 2 up to 12×2 & multiples of 5 up to 12×5 in any order, incl missing nos & related division facts with growing fluency.	Recall multiples of 5 up to 12×5 in any order, incl missing numbers and related division facts fluently.
Year 3	Count in multiples of 3 to 12×3 in order from 0 fluently. Count in multiples of 100 to 1000.	Count in multiples of 4 to 12×4 in order from 0 with growing fluency. Begin to count in multiples of 8 from 0 to 12×8 linking to multiples of 4. Count in multiples of 100 crossing 1000.	Count in multiples of 4 to 12×4 in order from 0 fluently. Count in multiples of 8 to 12×8 with growing fluency. Count in multiples of 50 to 500.	Count in multiples of 8 to 12×8 fluently. Count in multiples of 50 and 100.	Count in multiples of 3, 4 and 8 up to $12 \times$	Count up & down in 10ths up to / down from 2. Count in multiples of 3, 4 & 8 up to $12 \times$. Count in multiples of 50 and 100.
	Recall all number bonds to & within 10 and to 20 fluently.	Recall doubles & halves within 20 fluently. Recall + & - facts to 20 fluently & use these to derive facts to 100.	+/- single digit nos to / from 3 digit nos mentally.	+/- 10 to / from 3 digit nos mentally.	+/- multiples of 10 to / from 3 digit nos mentally.	+ / - multiples of 100 to / from 3 digit nos mentally.
	Consolidate fluency of 2, 5 & 10x tables up to $12 \times$.	Recall multiples of 3 up to 12×3 in any order incl missing nos & related division facts.	Recall multiples of 3 up to 12×3 in any order, incl missing nos & related division facts fluently.	Recall multiples of 4 up to 12×4 in any order, incl missing nos & related division facts	Recall multiples of 4 up to 12×4 + multiples of 8 up to 12×8 , in any order, incl missing nos & related division facts	Recall multiples of 8 up to 12×8 , in any order, incl missing nos & related division facts fluently

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Year 4	Fluently count in 6s in order to 12x, using multiples of 3 to support. Count in 1000s.	Fluently count in 7s in order to 12x. Count in 25s up to 300. Count in 1000s.	Fluently count in 11s in order to 12x. Count in 25s up to 300. Count in 1000s.	Fluently count in 9s in order to 12x. Count backwards in 1s through 0 incl negative nos to -20.	Fluently count in 12s in order to 12x. Count in 25s up to 300. Count in 1000s. Count up & down in 100ths.	Count fluently in multiples of 2, 3, 4, 5, 6, 7, 8, 9, 11, 12 up to 12x Count back in 1s through 0 incl neg nos to -20. Count up & down in 100ths. Count in 25ths up to 300. Count in 1000s.
	Consolidate fluent recall of all no bonds within 20.	Consolidate fluent recall of all no bonds within 20.	Consolidate fluent recall of all no bonds within 20.	Consolidate fluent recall of all no bonds within 20. Build fluent knowledge of no bonds to 100.	Consolidate fluent recall of all no bonds within 20. Build fluent knowledge of no bonds to 100.	Consolidate fluent recall of all no bonds within 20. Build fluent knowledge of no bonds to 100.
	Recall multiples of 3, 4 & 8 up to 12x in any order, incl missing nos & division facts fluently. Recognise that multiplying any no by 0 results in 0.	Recall multiples of 6 up to 12x incl missing nos & division facts with growing fluency. Recognise that dividing by 1 always leaves the no you divided unchanged.	Recall multiples of 6 & 7 incl missing nos & division facts with growing fluency.	Recall multiples of 7 in any order incl missing nos & division facts fluently. Recognise that multiplying any no by 0 results in 0 & that dividing by 1 always leaves the no you ÷ unchanged.	Recall multiples of 9 (using 10x & adjusting by 1 as a strategy) & multiples of 11 in any order, incl missing nos & division facts with growing fluency.	Recall multiples of 9 & 12 (using 10x & adjusting by adding 2 more groups) in any order, incl missing nos & ÷ facts fluently. Recog that multiplying any no by 0 results in 0. Recall fluently all x tables to 12 x 12.
Year 5	Count forwards in steps of powers of 10 to 1,000,000 from any number.	Count forwards/backwards in steps of powers of 10 to 1,000,000 from any number.	Count forwards/backwards thro 0 incl to & from neg nos. Count forwards/backwards in steps of powers of 10 to 1,000,000 from any number.	Count in square number sequence up to 12 x 12. Count forwards/backwards in steps of powers of 10 to 1,000,000 from any number	Count in square number sequence up to 12 x 12. Count forwards/backwards in steps of powers of 10 to 1,000,000 from any number	Count forwards/backwards thro 0 incl to & from neg nos. Count in square no sequence up to 12 x 12. Count forwards/backwards in steps of powers of 10 to 1,000,000 from any no
	Practise fluent recall of all no bonds within 100 incl missing nos.	Use knowledge of x tables to x nos mentally eg 4x6=24 so 40x6=240	Practise fluent recall of all no bonds within 100 incl missing nos.	Use knowledge of x tables to x nos mentally eg 4x6=24 so 40x6=240	Practise fluent recall of all no bonds within 100 incl missing nos.	Use knowledge of x tables facts to x & ÷ nos mentally eg 4x6=24 so 40x6=240 & 240÷6=40.
	Recall multiples of 12 in any order, incl missing nos & related ÷ facts fluently.	Recall multiples of all x tables up to 12 x 12 in any order incl missing nos & related ÷ facts with growing fluency.	Recall multiples of all x tables up to 12 x 12 in any order incl missing nos & related ÷ facts with growing fluency.	Recall multiples of all x tables up to 12 x 12 in any order incl missing nos & related ÷ facts with growing fluency.	Recall multiples of all x tables up to 12 x 12 in any order incl missing nos & related ÷ facts with growing fluency.	Recall multiples of all x tables up to 12 x 12 in any order incl missing nos & related ÷ facts with growing fluency.
Year 6	Count forwards & backwards in steps of powers of 10 to 1,000,000 from any no.	Count in square number sequence up to 12 x 12	Count forwards/backwards thro 0 incl to & from neg nos	Count in 1/4s forwards and backwards to / from 10		
	Practise fluent recall of all no bonds within 100 and 1000 incl missing nos	Use knowledge of x tables facts to x & ÷ nos mentally eg 4x6=24 so 40x6=240 & 240÷6=40.	Practise fluent recall of all no bonds within 100 and 1000 incl missing nos	Use knowledge of x tables facts to x & ÷ nos mentally eg 4x6=24 so 40x6=240 & 240÷6=40.		
	Recall multiples of all x tables up to 12 x 12 in any order incl missing nos & related ÷ facts with growing fluency.	Recall multiples of all x tables up to 12 x 12 in any order incl missing nos & related ÷ facts with growing fluency.	Recall multiples of all x tables up to 12 x 12 in any order incl missing nos & related ÷ facts with growing fluency.	Recall multiples of all x tables up to 12 x 12 in any order incl missing nos & related ÷ facts with growing fluency.		