Stage 1 - Europe	Examples	Can your child answer these questions?
Say the numbers in order to 10		How many marbles are in this jar?
Say 1 more than any number between 0 and 10	1 more than 4 is 5	There are seven beads in this pot. If I put one more in the pot how many would there be?
Say 1 less than any number between 1 and 10	1 less than 8 is 7	There are ten beads in the pot. I am taking one bead out of the pot now – how many are left?
Count on from any number up to 10		Start at the number 7, and then count on until you reach 10.
Say the number names in order to 20		How many beads are in this pot?
Stage 2 - Asia	Examples	Can your child answer these questions?
Know by heart all number bonds to 10	0+10 = 10 1+9 = 10 2+8 = 10 3+7 = 10 4+6 = 10 5+5 = 10 6+4 = 10 7+3 = 10 8+2 = 10 9+1 = 10 10+0 = 10	What would you add to 7 to get a total of 10? Use number cards from 1 to 9 – can you pair the numbers which make 10? How many pairs of numbers can you remember that make a total of 10?
Recall addition facts to 5	0 + 1 = 1 0 + 4 = 4 1+ 3 = 4 3 + 2 = 5 2 + 1 = 3 1+ 4 = 5 (Adding 2 numbers where the total is up to 5)	What numbers could you add to give a total of 4? Are there any other ways to get a total of 4?
Recall subtraction facts to 5	5 – 1 = 4 3 – 2 = 1 5 – 2 = 3 2 – 0 = 2 4 – 1 = 3 5 – 4 = 1	There are 5 beans on a plate – I hide some under a beaker and write this to show what I have done: 5 – 3 = 2. Use the 5 beans to hide a different amount – can you write the subtraction sentence for what you have done? Look at this addition : 4 + 1 = 5 Can you make a subtraction sentence using these numbers?
Count in twos		How far can you count in twos? What number would follow in this sequence: 6,8,10,12….? How far can you continue the sequence What about this sequence? 18,16,14,… What would come next? Can you get back to 0?

Count in tens		How far can you count in tens? What number would follow in this sequence: 40,50,60, ….? How far can you continue the sequence What about this sequence? 90,80,70,… What would come next? Can you get back to 0?
Count in fives		How far can you count in fives? What number would follow in this sequence: 45,50,55,60, ….? How far can you continue the sequence What about this sequence? 80,75,70,65,… What would come next? Can you get back to 0?
Recall the doubles of all numbers to at least ten	Double 1 is 2 Double 2 is 4 …. Up to Double 10 is 20 And beyond…	I roll double 3 – what is my score? Pick a number, and then double it. What is the largest number you can double? Explain how you know your answer is right… I doubled a number and got 18… which number did I double?

Stage 3 - Africa	Examples	Can your child answer these questions?
Know by heart all number bonds that total 20	0 + 20 = 20 1 + 19 = 20 2 + 18 = 20 Up to…. 19 + 1 = 20 20 + 0 = 20	How many pairs of numbers which total 20 can you remember? What would you add to 4 to get a total of 20? Use number cards from 1 to 19 – can you pair the numbers which make 20?
Know by heart all bonds of multiples of 10 up to 100	0+100 = 100 10+90 = 100 20+80 = 100 30+70 = 100 40+60 = 100 50+50 = 100 60+40 = 100 70+30 = 100 80+20 = 100 90+10 = 100 100+0 = 100	Look at these multiples of 10… which pairs give a total of 100? 0 10 20 30 40 50 60 70 80 90 100
Know by heart doubles of all numbers to 20	1+1 = 2 (double 1) 2+2 = 4 (double 2) Up to 19+19 = 38 (double 19) 20+20 = 40 (double20)	I think of a number, then I halve it and get 15, what number was I thinking of? Pick a number, and then double it. What is the largest number you can double? Explain how you know your answer is right… Roll 2 numbers on a die, add them together, and then double it. What must I double to get 16? 22? 36?

Derive halves of corresponding numbers	Halves of all the even numbers up to 40 – this is the inverse or opposite of the above objective Half 2 is 1 Half 4 is 2 Half 6 is 3 Etc… up to Half 38 is 19 Half 40 is 20	I think of a number and double it, the answer is 18, what number did I start with? What number must I halve to get 8? 13? 19? Mina has 32 stickers, she gives half of them to her brother – how many stickers does she give him?
Know by heart all multiplication facts for 2 up to 2x10	$0 \times 2 = 0$ $1 \times 2 = 2$… Up to $10 \times 2 = 20$	Which is the number before 16 in the 2x table? What is the answer to 6x2? 9x2?
Know by heart all division facts for 2 up to 20	$20 \div 2 = 10$ $18 \div 2 = 9$… Down to $0 \div 2 = 0$	What is the answer to 16÷2? 8÷2? Which is the missing number: ? x 2 = 18? How do you know?
Know by heart all multiplication facts for 10 up to 10x10	$0 \times 10 = 0$ $1 \times 10 = 10$… Up to $10 \times 10 = 100$	Which is the number before 80 in the 10x table? What is the answer to 6x10? 8x10?
Know by heart all division facts for 10 up to 100	$100 \div 10 = 10$ $90 \div 10 = 9$… Down to $0 \div 10 = 0$	What is the answer to 70÷10? 40÷10? Which is the missing number: ? x 10 = 60? How do you know?
Know by heart all multiplication facts for 5 up to 5x10	$0 \times 5 = 0$ $1 \times 5 = 5$… Up to $10 \times 5 = 50$	Which is the number before 40 in the 5x table? What is the answer to 6x5? 8x5?
Know by heart all division facts for 5 up to 50	$50 \div 5 = 10$ $45 \div 5 = 9$… Down to $0 \div 5 = 0$	What is the answer to 35÷5? 40÷5? Which is the missing number: ? x 5 = 25? How do you know?
Stage 4 - Australasia	Examples	Can your child answer these questions?

Know by heart all sums and differences of multiples of 10 up to 100	60 + 30 = 90 70 + 80 = 150 20 + 90 = 110 70 – 20 = 50 90 – 60 = 30 40 – 30 = 10	Add 80 and 30, tell me how you did it. Tell me all the number pairs you know with multiples of 10 which make 90. What is the difference between 20 and 80? Look at these multiples of 10… which pairs give a total of 100? 0 10 20 30 40 50 60 70 80 90 100
Know by heart all number bonds that total 100	63 + 37 = 100 41 + 59 = 100 17 + 83 = 100	What must you add to 62p to make £1? I cut 35 cm off a 1m long piece of string. How much is left?
Know by heart all multiplication facts for 4 up to 4x10	0 x 4 = 0 1 x 4 = 4… Up to 10 x 4 = 40	Which is the number before 16 in the 4x table? What is the answer to 6x4? 9x4?
Know by heart all division facts for 4 up to 40	40 ÷ 4 = 10 36 ÷ 4 = 9… Down to 0 ÷ 4 = 0	What is the answer to 16÷4? 36÷4? Which is the missing number: ? x 4 = 28? How do you know?
Know by heart all multiplication facts for 8 up to 8x10	0 x 8 = 0 1 x 8 = 8… Up to 10 x 8 = 80	Which is the number before 56 in the 8x table? What is the answer to 6x8? 5x8?
Know by heart all division facts for 8 up to 80	80 ÷ 8 = 10 72 ÷ 8 = 9… Down to 0 ÷ 8 = 0	What is the answer to 16÷8? 64÷8? Which is the missing number: ? x 8 = 72? How do you know?
Know by heart all multiplication facts for 3 up to 10x3	0 x 3 = 0 1 x 3 = 3… Up to 10 x 3 = 30	Which is the number before 30 in the 10x table? What is the answer to 6x3? 8x3?
Know by heart all division facts for 3 up to 30	30 ÷ 3 = 10 27 ÷ 3 = 9… Down to 0 ÷ 3 = 0	What is the answer to 27÷3? 15÷3? Which is the missing number: ? x 3 = 18? How do you know?

Know by heart all multiplication facts for 6 up to 6x10	$0 \times 6 = 0$ $1 \times 6 = 6…$ Up to $10 \times 6 = 60$	Which is the number before 36 in the 6x table? What is the answer to 6x6? 8x6?
Know by heart all division facts for 6 up to 60	$60 \div 6 = 10$ $54 \div 6 = 9…$ Down to $0 \div 6 = 0$	What is the answer to 36÷6? 48÷6? Which is the missing number: ? x 6 = 24? How do you know?
Recognise multiples of 2, 5 and 10 up to 1000	24 is a multiple of 2 35 is a multiple of 5 500 is a multiple of 2, 5 and 10	Can you tell me some numbers which divide exactly by 2? By 5? By 10? How do you know? Which of these numbers are multiples of 2? How do you know? 18 25 40 65 120 375 468 700 Which are multiples of 5? Multiples of 10? How do you know?
Stage 5 – North America	Examples	Can your child answer these questions?
Double any 2 digit number	Double 26 = 52 Double 97 = 194	Which numbers are missing in this sequence? 17 34 ? 136 ? I think of a number and half it – the answer is 55. Which number was I thinking of? How do you know?
Halve any 2 digit number	(EVEN numbers only) Half 48 = 24 Half 86 = 43 Half 96 = 48	Which numbers are missing in this sequence? 96 ? 24 ? ? Use the number 86 to explain what doubling and halving mean.
Know by heart all multiplication facts for 9 up to 9x10	$0 \times 9 = 0$ $1 \times 9 = 9…$ Up to $10 \times 9 = 90$	Which is the number before 54 in the 9x table? What is the answer to 6x9? 9x9?
Know by heart all division facts for 9 up to 90	$90 \div 9 = 10$ $81 \div 9 = 9…$ Down to $0 \div 9 = 0$	What is the answer to 36÷9? 72÷9? Which is the missing number: ? x 9 = 27? How do you know?
Know by heart all multiplication facts for 7 up to 7x10	$0 \times 7 = 0$ $1 \times 7 = 7…$ Up to $10 \times 7 = 70$	Which is the number before 56 in the 7x table? What is the answer to 6x7? 5x7?

Know by heart all division facts for 7 up to 70	$70 \div 7 = 10$ $63 \div 7 = 9 \dots$ Down to $0 \div 7 = 0$	What is the answer to $14 \div 7$? $63 \div 9$? Which is the missing number: $? \times 7 = 63$? How do you know?

Stage 6 – South America	Examples	Can your child answer these questions?
Double any number with up to 1 decimal place	Double 5.7 Double 12.6	Which number did you double to get the answer 3.8? How do you know?
Halve any number with up to 1 decimal place	Halving any number with an even digit decimal. Halve 7.2 Halve 9	If I halve 2.6 litres of juice into two jugs, how much juice in each jug?
Recall quickly multiplication facts up to 10x10	3x8 6x7 9x4	Which is the missing number? $6x ? = 42$ The answer is 36 – which multiplication sum could it be?
Recall quickly division facts up to 10x table	$64 \div 8$ $35 \div 7$ $36 \div 4$	Which is the missing number? $? \div 6 = 9$ The answer is 4 – which division sum could it be?
Use multiplication facts to multiply pairs of multiples of 10 and 100	30x70 40x200 500x600	Which two numbers multiply together to give 4800?
Know the factors of all timetable answers up to 10x10	The factors of 21 are 21 and 1, 3 and 7 The factors of 24 are 1and 24, 2 and 12, 3and 8, 4 and 6	Is 6 a factor of 38? How do you know?

Stage 7 - Antarctica	Examples	Can your child answer these questions?
Know by heart all the squares of numbers between 1 and 12	1 squared is 1 6^2 11 squared is 121	Can you tell me all the square numbers between 50 and 100? A number squared is 49, what is the number?
Know by heart all squares of multiples of 10 up to 100 squared	30 squared is 900 90^2	What would be the answer to 40 squared? Can you explain how you got your answer?
Recognise and recall factors of numbers up to 100 and corresponding multiples of 100	The factors of 24 are 1,24,2,12,3,8,4,6	Which is the missing number? $6x ? = 42$ The answer is 36 – which multiplication sum could it be?
Know by heart all the multiplication facts up to 12x12	6x7=42 12x8=96	Which is the missing number: $8x? = 32$ The answer is 24 – which multiplication sum could it be?
Know by heart all the division facts up to 12x12	$132 \div 11 = 12$ $56 \div 7 = 8$	Which is the missing number? $? \div 6 = 9$ The answer is 4 – which division sum could it be?