

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) $20+20 = 40$ (double 20)	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 2×10	$0 \times 2 = 0$ $1 \times 2 = 2 \dots$ Up to $10 \times 2 = 20$	Which is the number before 16 in the 2x table? What is the answer to 6×2 ? 9×2 ?
Know by heart all division facts for 2 up to 20	$20 \div 2 = 10$ $18 \div 2 = 9 \dots$ Down to $0 \div 2 = 0$	What is the answer to $16 \div 2$? $8 \div 2$? Which is the missing number: $? \times 2 = 18$? How do you know?
Know by heart all multiplication facts for 10 up to 10×10	$0 \times 10 = 0$ $1 \times 10 = 10 \dots$ Up to $10 \times 10 = 100$	Which is the number before 80 in the 10x table? What is the answer to 6×10 ? 8×10 ?
Know by heart all division facts for 10 up to 100	$100 \div 10 = 10$ $90 \div 10 = 9 \dots$ Down to $0 \div 10 = 0$	What is the answer to $70 \div 10$? $40 \div 10$? Which is the missing number: $? \times 10 = 60$? How do you know?
Know by heart all multiplication facts for 5 up to 5×10	$0 \times 5 = 0$ $1 \times 5 = 5 \dots$ Up to $10 \times 5 = 50$	Which is the number before 40 in the 5x table? What is the answer to 6×5 ? 8×5 ?
Know by heart all division facts for 5 up to 50	$50 \div 5 = 10$ $45 \div 5 = 9 \dots$ Down to $0 \div 5 = 0$	What is the answer to $35 \div 5$? $40 \div 5$? Which is the missing number: $? \times 5 = 25$? How do you know?

