Africa

In the Africa Passport, children are introduced to the concept of counting forwards and backwards in steps other than ones. Teachers should make links between these numbers and the times tables. Although counting on and back underpins a given times table, it is important to recognise that being able to count in twos, for example, is not the same as being able to recall the multiplication and division facts for the 2x table. When learning a times table, it is mathematically correct to put the times table first followed by what it is being multiplied by (e.g. for the 2 times table it should read 2x0, 2x1, 2x2, 2x3, 2x4, 2x5, 2x6 etc). However it is also important for the children to recognise that multiplication can be done in any order (called the law of commutativity), so presenting questions both ways is useful; in fact, it will help the children when learning subsequent times table facts. Links should also be made between the multiplication facts and division facts of each times table so children begin to understand the relationship between the two operations and how one is the opposite (inverse) of the other. When learning the 2x table, children should be taught to make links with the doubling target in the previous passport and understand that multiplying a number by two has the same effect as doubling the number. Similarly, children should be encouraged to make links between dividing by two and halving. When counting in twos, children are introduced to the idea of even numbers and learn that any whole number ending in 0, 2, 4, 6 or 8 is even. From this, they learn that any whole number ending in 1, 3, 5, 7 or 9 is odd. Finally, the children learn to count up and back in tens, which underpins the 10x table in the next passport.

Target	Example Questions
I can count forwards and backwards in multiples of 2	Starting at 0, count in twos up to 50 What is two more than 18? What is two less than 30?
I know by heart all multiplication facts for 2 up to 2 x 12	2 x 9 = What is 2 times by 11? Multiply 2 by 8
I know by heart all division facts for 2 up to 24	What is 18 divided by 2? Share 24 by 2. 22 ÷ 2 =
I can recognise odd and even numbers up to 100	Is 13 odd or even? How do you know? What is the next even number after 38? Circle the odd numbers in this sequence…
I can count forwards and backwards in multiples of 10	Starting at 0, count in tens up to 120 What is ten more than 90? What is 10 less than 60?
I can count in 10s from any number forwards or backwards	Starting at 3, count up in 10s. Beginning at 117, count back in 10s. What is 10 more/less than 98?