

# NORTH AMERICA - TEACHING GUIDELINES

The North America passport builds upon children's existing knowledge of doubles and extends their recall for numbers up to double 20. Children often find doubling numbers 15 to 19 challenging as their answers mean crossing into the thirties. Links should continue to be made here with the idea of multiplying by two and time should be given to exploring patterns in their answers (for example, any whole number doubled results in an even number).

Children practise counting on and back in fours, leading the way into the learning and recall of the 4x table. Links can be made here with the 2x table and statements created which describe the relationship between them (e.g. all multiples of four are multiples of two, but not all multiples of two are multiples of four). Here, children can also demonstrate how not every number which ends in 4 is a multiple of four (e.g. 4 and 24 are multiples of four but 14 and 34 are not).

Finally, children extend their understanding of number by counting up to 10 000, forwards and back. They should also be able to say one more or less than a 2-, 3- or 4-digit number and know that when adding or subtracting 1000 from any whole number, the hundreds, tens and ones do not change.

Children also learn to count on and back in 25s, a key skill which underpins finding fractions and percentages of numbers.

<b>TARGET</b>	<b>EXAMPLE QUESTIONS</b>
<b>I can double any number up to double 20</b>	What is double 18? What are two 16s? What is 2 x 19?
<b>I can count forwards and backwards in multiples of 4</b>	Starting from 0, count in fours up to 48 Starting from 48, count back in fours to 0 What is 4 more/less than 32?
<b>I know by heart all multiplication facts for 4 up to 4 x 12</b>	4 x 7 = What is 4 times 12? Multiply 4 by 9
<b>I know by heart all division facts for 4 up to 48</b>	What is 36 divided by 4? Share 44 by 4. 32 ÷ 4 =
<b>I can count forwards and backwards in multiples of 1000</b>	Starting from 0, count in 1000s up to 10 000 Starting from 10 000, count back in 1000s to 0 What is 1000 more/less than 3758?
<b>I can count forwards and backwards in multiples of 25</b>	Starting from 0, count in 25s up to 500. Starting from 500, count back in 25s to 0 What is 25 more/less than 300?