

EUROPE - TEACHING GUIDELINES

The Europe passport develops children's understanding of number beyond 20. They count up and back in ones, first to 50 then to 100, starting from any number. Particular attention should be given to multiples of ten which do not follow the pattern of the other numbers, for example thirty (not "threety") and fifty (not "fivety").

Children are usually quick to spot the repetitive nature of the digits one to nine but are less secure when bridging to the next multiple of 20 (e.g. from 49 to 50).

A secure knowledge of numbers to 100, both forwards and backwards, is an essential building block in the development of children's understanding of the repetitive nature of our number system and underpins addition and subtraction. Children will also learn to count through 100, forwards and backwards, to help develop this understanding.

Finally, children should be able to quickly recall, either verbally or in writing, all number bonds which total 10. They should learn that for each fact there is a corresponding fact by reversing the digits (e.g. $6 + 4 = 4 + 6$). This begins to develop the concept of commutativity in addition (that addition can be performed in any order). Later, this idea will be extended to multiplication, which enables children to learn and recall the times tables quickly and accurately.

TARGET	EXAMPLE QUESTIONS
I can count up to 50	Starting from 0, count up in ones to 50. Our starting number is 39. Count up to 50. What number comes after 29?
I can count back from 50	Starting from 50, count back in ones to 0. Our starting number is 20. Count back to 0. What number comes before 30?
I can count to 100	Starting from 0, count up in ones to 100. Our starting number is 79. Count up to 100. What number comes after 59?
I can count back from 100	Starting from 100, count back in ones to 0. Our starting number is 60. Count back to 0. What number comes before 70?
I can count across 100, forwards and backwards	What number comes after 100? What number comes before 100? Starting at 90, count up to 110. Starting at 107, count back to 95.
I know by heart all number bonds that total 10	What goes with 3 to make 7? How many more do I need to add to 2 to make 10? Tell me a pair of numbers which add to make 10 ... and another ... and another