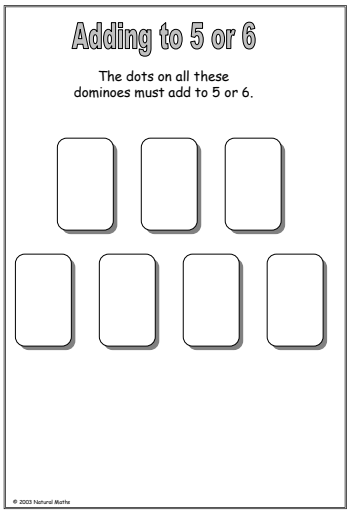
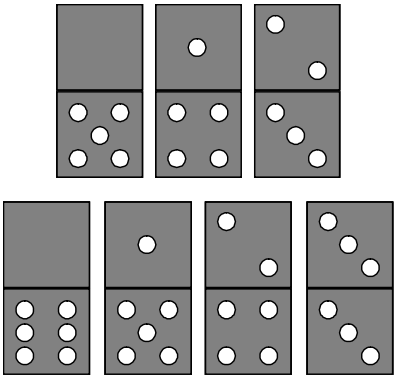
Adding to 5 or 6



Observe the children as they select tiles with the given totals. Some children will:

- randomly select tiles and count all dots or count on from one set of dots
- subitize small numbers of dots and count on from a recognized grouping
- remove dominoes with large groupings of dots knowing that they need not count them
- find one domino such as 3 and 2 and then work out from that that 4 and 1 will be the next domino to look for

A systematic arrangement of the dominoes would be to put the 5s and 6s in separate rows, and in order as shown.



Encourage the children to:

- look for recognizable groupings of dots such as two or three and to count on from them rather than count all the dots
- think about their knowledge of counting and how this might help them find appropriate tiles, for instance the number before five is four so four and one more will be five and to apply this knowledge
- think of number facts or strategies that they do know to help them find the needed dominoes: these might include count on ones, twos or near doubles
- work systematically to find all the domino tiles that will work, perhaps by creating an organized list or diagram or by using the domino sorting mat.

Allow time for the children to investigate, record and prove their answers as well as to ask similar questions of their own.

Challenge the children to explain how they can be sure that they have found all the possible dominoes and also to explain their strategy for quickly working out how many dots there are on each tile.

Adding to 5 or 6

The dots on all these dominoes must add to 5 or 6.