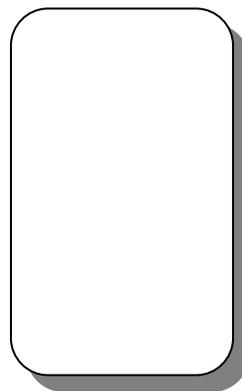
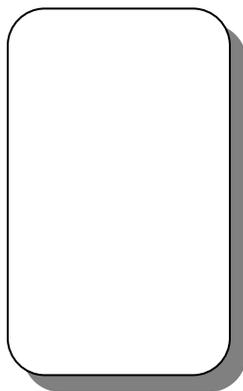
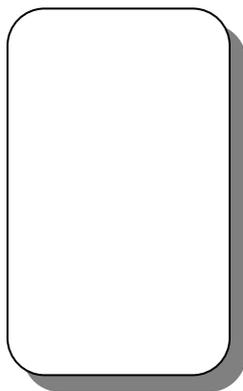
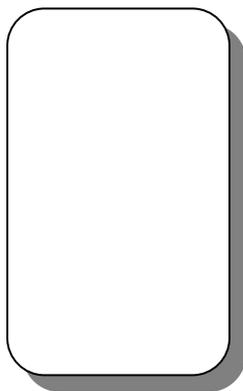
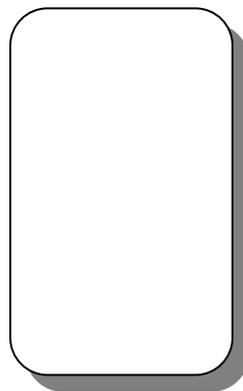
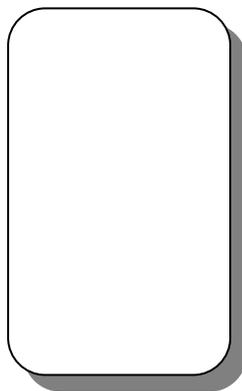
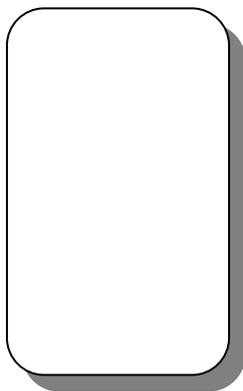


# Adding to numbers up to 10

The dots on all these dominoes  
must add to 8, 9 or 10.



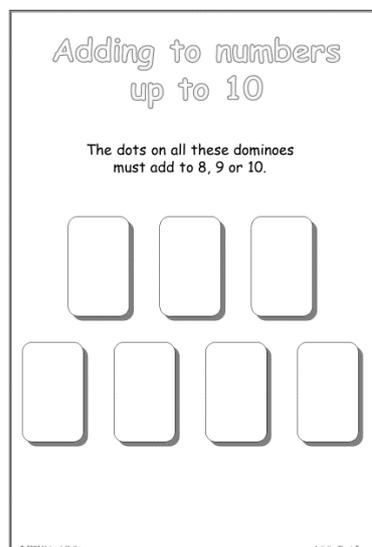
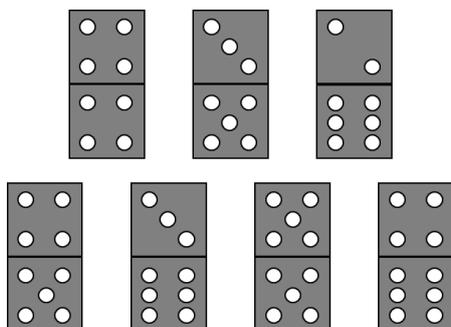
## Adding to numbers up to 10

**Observe** your child as they select tiles to make 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 small groupings of dots knowing that they need not count them
- find one domino such as 6 and 2 and then work out from that that 5 and 3 will be the next domino to look for.

A systematic arrangement of the dominoes would be to put the 8s then and 9s and 10s in separate rows, and in order as shown.



**Encourage** your child to:

- look for recognizable groupings of dots such as 4 or 5 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,
- think of number facts or strategies that they do know to help them find the needed dominoes: these might include doubles 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. Also ask them to explain their strategy for quickly working out how many dots there are on each tile.