

Mental Arithmetic Strategies for Addition



☞ Chess is a game of **strategies**. Each piece has its own way of moving forward.



The pawn moves only one step forward, but "takes" on the diagonal.



The knight jumps in L-shaped moves.



The bishop moves any number of places only on the diagonal.

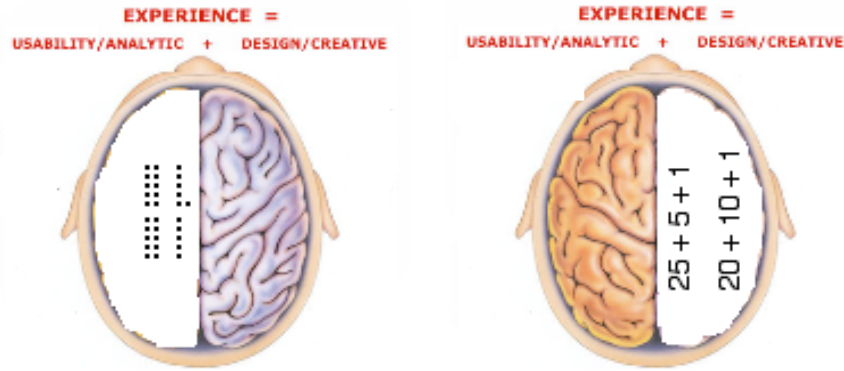


The rook moves any number of places forward or back or left or right.

These lessons are about different adding strategies. They will make you able to add 2-digit numbers in many easy ways.

Mental Arithmetic

☞ The right brain sees patterns and pictures. The left brain works with words and numbers. Together they understand.



$$25 + 6 = 31$$

6.1 Add easy pairs. $25 + 6 = 25 + 5 + 1 = 31$

	I went "25 and 5 is 30, plus 1, is 31."
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6.2 Add place groups of ten and then groups of one left-to-right.

$$25 + 6 = 20 + 11 = 20 + 10 + 1 = 31$$

	I went "20 and 10 is 30, plus 1, is 31."
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☞ Which answer is correct? _____

☞ Add these numbers in your head, and then explain how you got the answer in a picture and in words.

$$23 + 44 = \underline{\quad}$$

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$$51 + 37 = \underline{\quad}$$

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