

There are many more different-sized squares on the chessboard.

Mental Maths Starter

The complete list of answers is shown below:
$1,8 \times 8$ square
4, 7x7 squares

9, $6 \times 6$ squares
$16,5 \times 5$ squares
$25,4 \times 4$ squares
$36,3 \times 3$ squares
$49,2 \times 2$ squares
$64,1 \times 1$ squares

Therefore, there are actually $64+49+36+25+16+9+4+1$ squares on a chessboard! (in total 204).

A worksheet with a large chessboard which children can use to investigate this problem can be found below.

If the children manage to find all of them, ask them if they can see a pattern in the results (i.e. the square numbers in the table).

