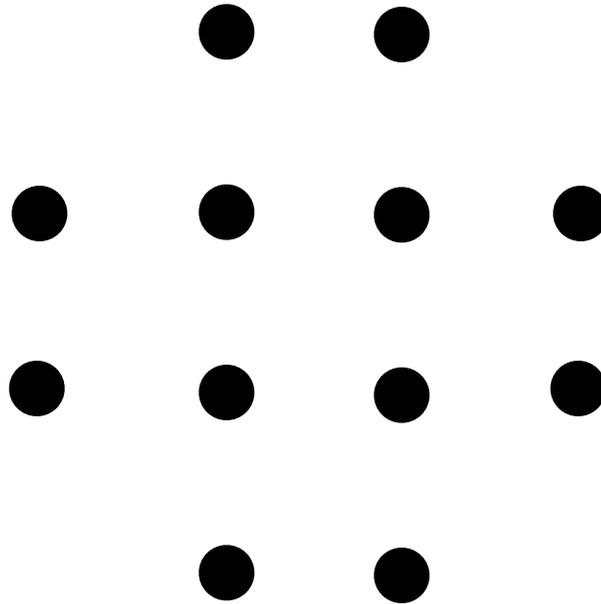


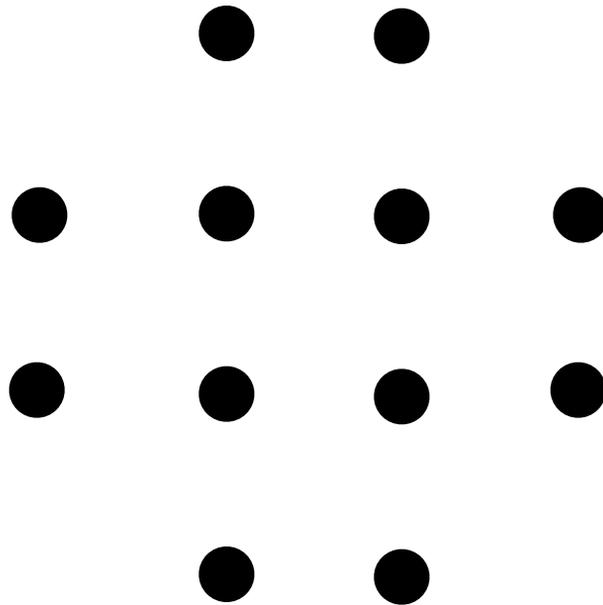
# How Many Squares part 1

Count how many squares there are in the picture below. A square is ANY arraignment of dots that make a square shape.



# How Many Squares part 2

Remove 4 dots so that there are no squares.

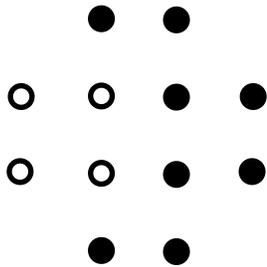


# How many squares part 1 solution

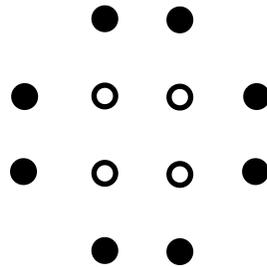
## There are 11 total squares

There are **5 small squares**. There are **4 middle sized squares** at 45 degrees. There are **2 large squares** at 45 degrees?

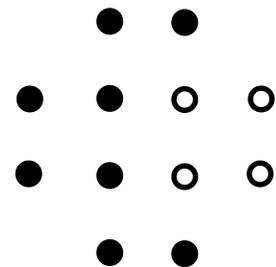
small square



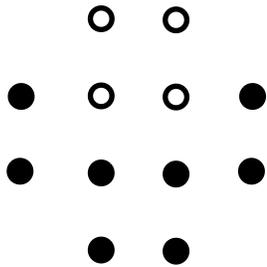
small square



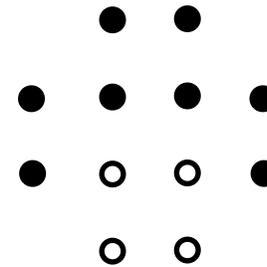
small square



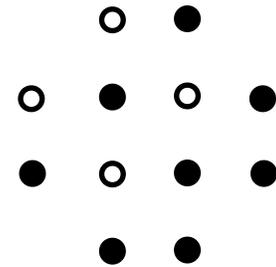
small square



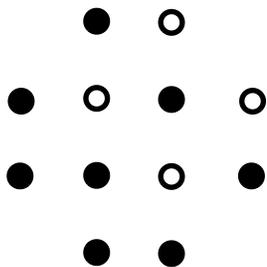
small square



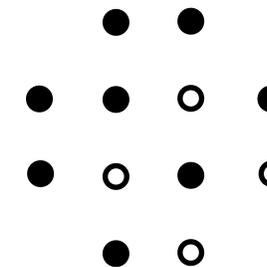
middle size square



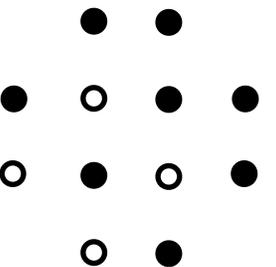
middle size square



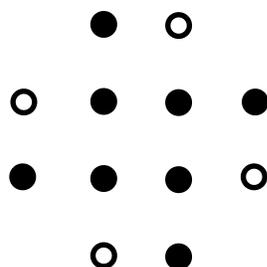
middle size square



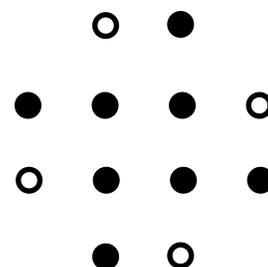
middle size square



larger squares

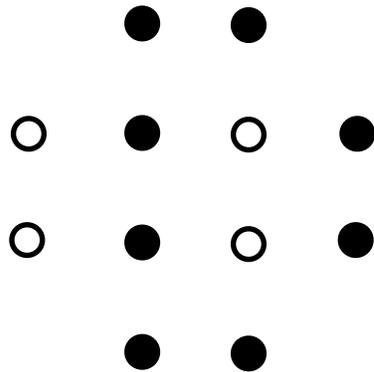


larger squares



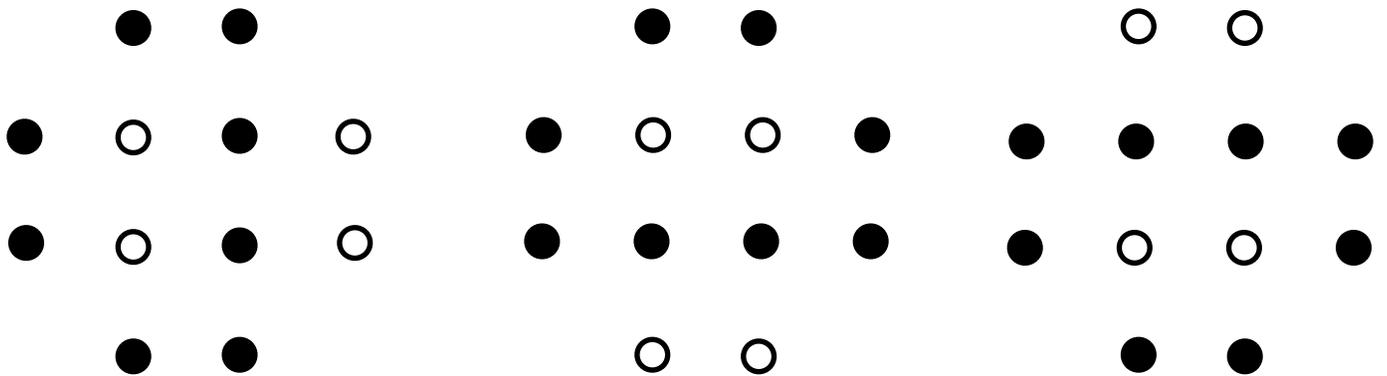
# How many squares part 2 solution

Remove 4 dots so that there are no squares.



Remove the white dots

Other solutions that are rotations of the first solution are also possible.



This puzzle was first published by **Professor Hoffmann**

Professor Louis Hoffmann (1839 - 1919), born Angelo John Lewis in England, was a lawyer, professor and the leading writer on magic, games, amusements and puzzles of his time. He wrote a series of articles on magic for a boy's magazine (Every Boy's Annual) that was later expanded into his book Modern Magic. The pen name, Professor Hoffman, was used because he feared that his professional prospects as a lawyer would be injured if it became known that he possessed such an intimate knowledge of the arts of deception.

[Modern Magic](#) (1876)

[More Magic](#) (1890)

[Parlor Amusements and Evening Party Entertainments](#) (1885)

[The Modern Hoyle](#) (1887)

[The Cyclopaedia of Card and Table Games](#) (1891)

[Baccarat Fair and Foul](#) (1891)

[The Illustrated Book of Patience Games](#) (1892)

[Puzzles Old and New](#) (1893)

[The Game of Skat](#) (1893)

[Every Boy's Book of Sport and Pastime](#) (1897)

[Card and Table Games](#) (1898)

[Hoyle's Games Modernized](#) (1898)

[Conjuring Tricks with Coins, Watches, Rings, and Handkerchiefs](#) (ca. 1900)

[Hoyle's Games Modernized](#) (with [Ernest Bergholt](#), 1909)

[The Games of Greco](#) (1900)

[King Koko or the Pretty Princess and the Lucky Lover. A Conjuring Entertainment in the Form of a Fairy Tale with Practical Instructions](#) (1904)

[Quinto. A new and original card game](#) (1907)

[Five Hundred: the popular American Card Game](#) (1908)

[Later Magic, with New Miscellaneous Tricks and Recollections of Hartz the Wizard](#) (1911)

Some or all works by this author are in the public domain in the United States because they were published before January 1, 1923.

The author died in 1919, so works by this author are also in the public domain in countries and areas where the copyright term is the author's life plus 80 years or less. Works by this author may also be in the public domain in countries and areas with longer native copyright terms that apply the rule of the shorter term to foreign works.