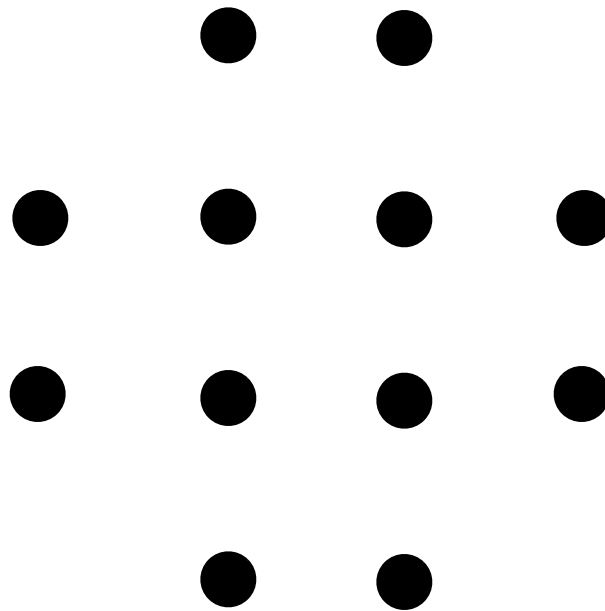


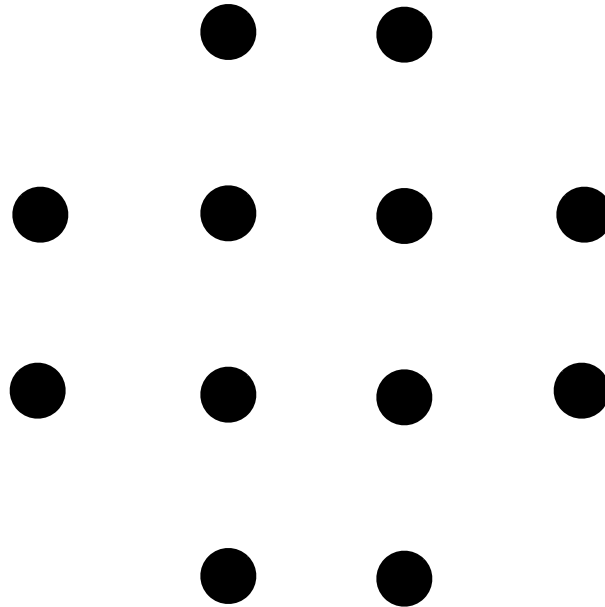
# How Many Squares part 1

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.

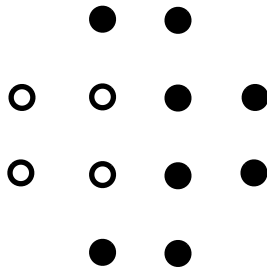


## How many squares part 1 solution

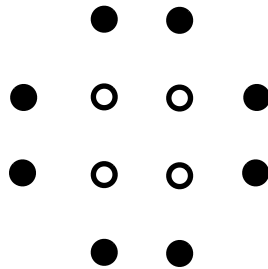
### There are 11 total squares

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

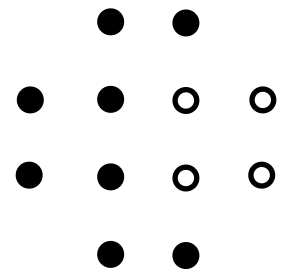
small square



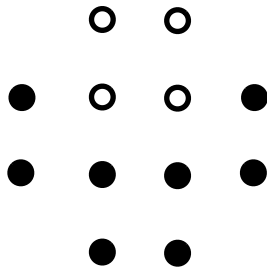
small square



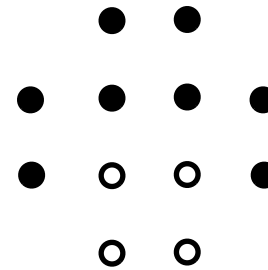
small square



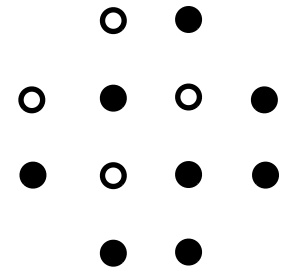
small square



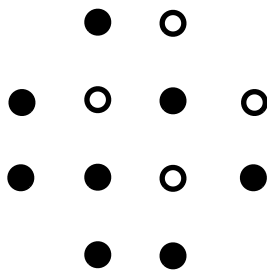
small square



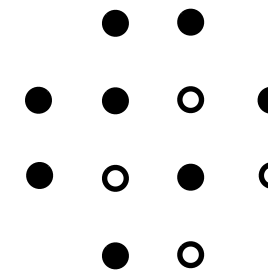
middle size square



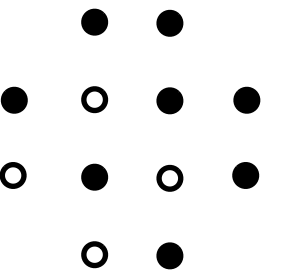
middle size square



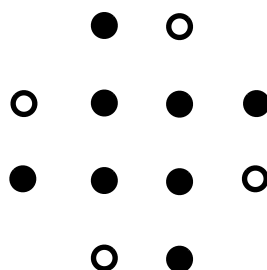
middle size square



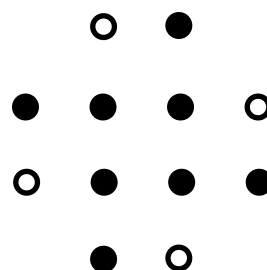
middle size square



larger squares

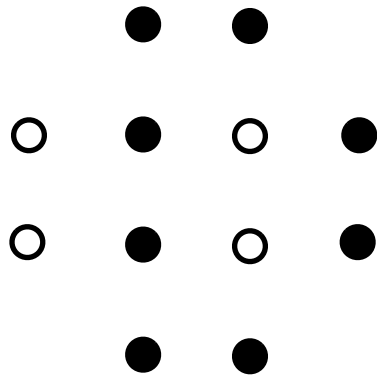


larger squares



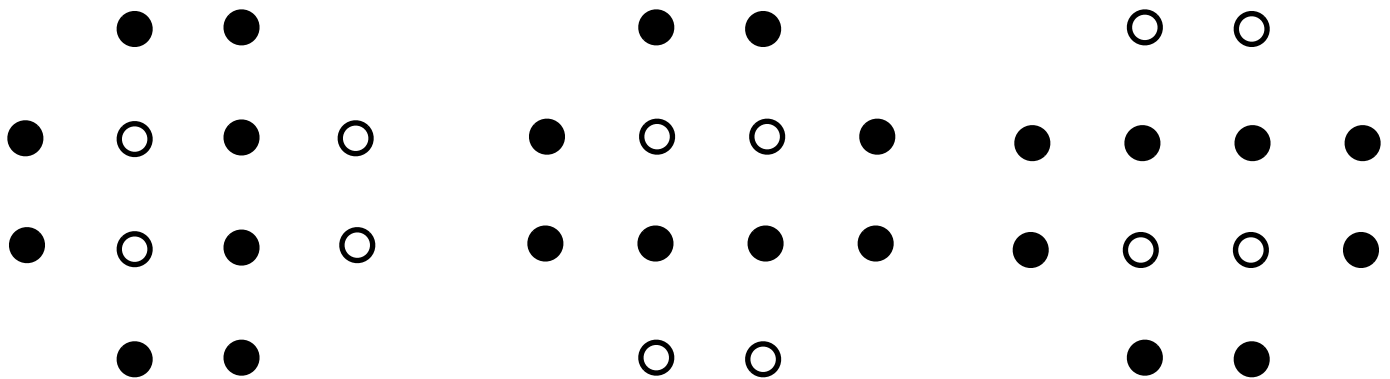
# How many squares part 2 solution

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)

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