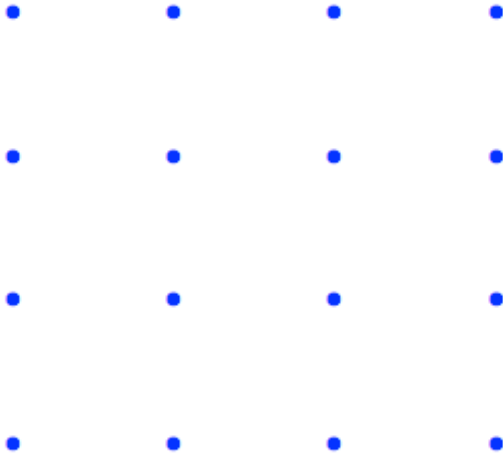


October 11th



There are 16 squares, and we need to choose 3.

$${}^{16}_3C = 560$$

Therefore there are 560 ways of choosing 3 points.

However, if the points are collinear, they will not form a triangle.

In each line of four dots, there are 4 ways of choosing 3 collinear points.

There are four horizontal, four vertical and two diagonal which is $4 \times 10 = 40$ ways of choosing collinear points.

There are also four diagonals of 3, which makes another 4 ways

Therefore there are $560 - 40 - 4 =$

516 ways of drawing a triangle in this way