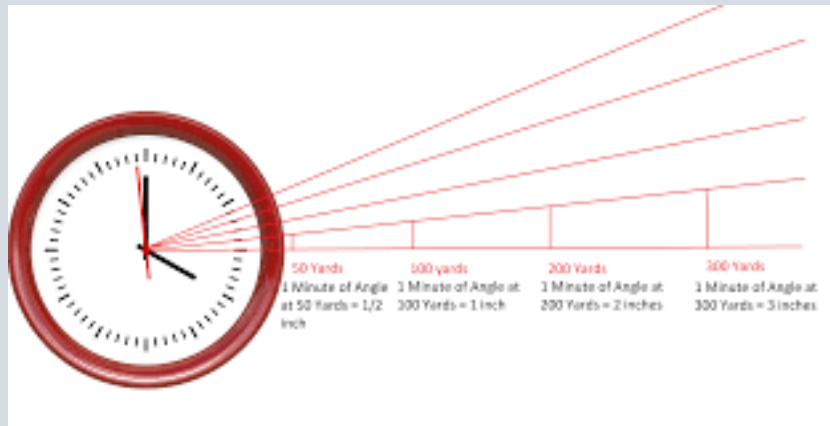


M.O.A.

(MINUTE OF ANGLE)

Minute of Angle is a unit of measurement. It is another one of the very few constants in shooting. M.O.A. is a $1/60^{\text{th}}$ of one degree. There are 360 degrees in a circle, and a M.O.A. is $1/60^{\text{th}}$ of just one of those degrees. Technically speaking, 1 M.O.A. is 1.047 inches at 100 yards, but for all practicality, we just use one inch. 1 M.O.A. repeats itself by multiplying by the furthest distance. So, 1 M.O.A. at 200 yards is 2 inches...1 M.O.A. at 300 yards is 3 inches, and so forth. A larger example is this, 2 M.O.A. group at 300 yards is 6 inches.



Calculate how many M.O.A. to use to correct a shot.

For example, at 500 yards, divide the number of inches that the shot was off. Let's say you took a shot at 500 yards and my bullet impacted 5 inches low from the point of aim. I would simply refigure how many times does 5 M.O.A. go into the

number of inches I was low...(5 inches) 5 goes into 5 one time...so my correction would be 1 M.O.A. *up* in elevation.

Another example, you are shooting from 600 yards and your bullet impact is 9 inches low. I already know that 1 M.O.A. at 600 is 6 inches. Divide 6 into 9 inches and find that you need to correct 1 ½ M.O.A. *up*.

It works no matter what distance you are shooting.

When purchasing a scope, I would recommend you buy one that has M.O.A. adjustments and reticle. The reason I push this is that in the United States we have been programmed to understand the imperial measurement system. The other most popular system is the MIL or Milliradian measurement. Mil's are based on the metric system, and in the United States most of us do not have as much experience with metric. Understanding and converting these units can propose a challenge. With that said, it is a great system to use, and if you use the metric system regularly, don't hesitate to use MIL optics. The work just as good as the M.O.A. However, don't get played by a salesman, I have heard it said that the MIL system is more accurate than the M.O.A. system. This is simply not true. Both units are equally accurate. It's your choice, just 2 different roads to get to the same place.