# MIL-RELATION FORMULA

**YARDS = SIZE (in) x 27.78 / MILS**

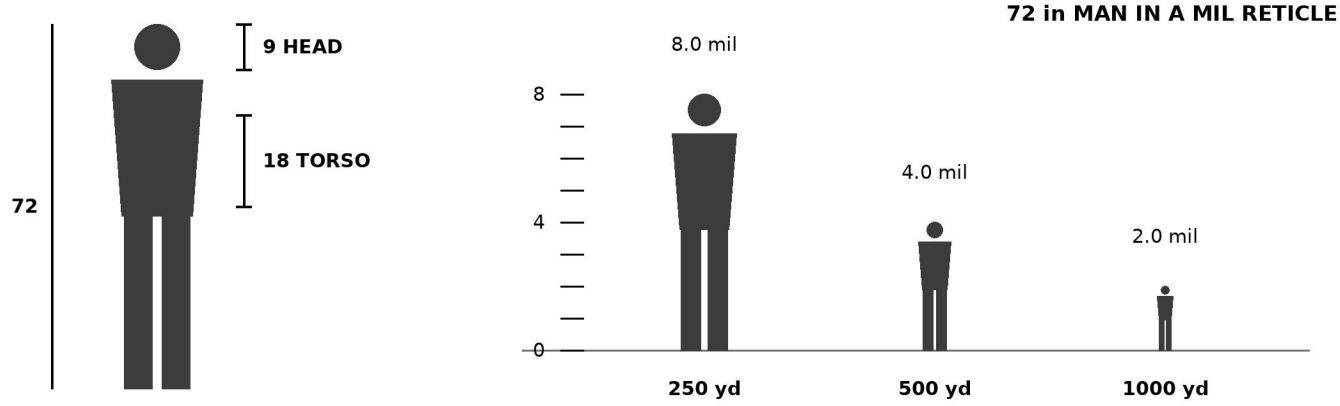
METERS = SIZE (m) x 1000 / MILS  27.78 = 1000 / 36

Measure the target in your mil reticle, plug it in. Example: 18 in torso reads 2.5 mils -> 18 x 27.78 / 2.5 = 200 yd. Read mils to the tenth; small errors grow at long range.

| MILS | 72 in MAN | 18 in TORSO | 9 in HEAD | 6 in |
|---|---|---|---|---|
| 1 | 2,000 | 500 | 250 | 167 |
| 1.5 | 1,333 | 333 | 167 | 111 |
| 2 | 1,000 | 250 | 125 | 83 |
| 2.5 | 800 | 200 | 100 | 67 |
| 3 | 667 | 167 | 83 | 56 |
| 4 | 500 | 125 | 63 | 42 |
| 5 | 400 | 100 | 50 | 33 |
| 6 | 333 | 83 | 42 | 28 |
| 8 | 250 | 63 | 31 | 21 |

Yards, rounded to the nearest yard.

**72 in MAN IN A MIL RETICLE**

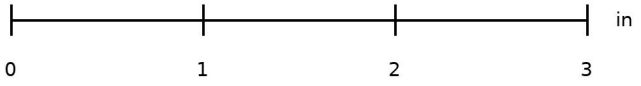



**1 in**

**PRINT AT 100% / ACTUAL SIZE - turn off "fit to page".**

Check: square = 1.00 in and ruler = 3.00 in.

**Source: math only. 1 mil = 1/1000 rad = 3.6 in at 100 yd.**




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