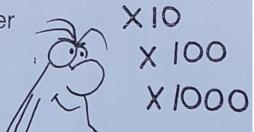Here's a simple way to multiply any number by 10, or 100, or 1000, in your head.

×10
×100
×1000

Look for a pattern in the zeros.

$5 \times 10 = 5$ **tens** $= 50$
$5 \times 100 = 5$ **hundreds** $= 500$
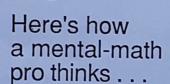$5 \times 1000 = 5$ **thousands** $= 5000$

To multiply any number . . .

by 10   →   tack on ONE trailing zero.

by 100   →   tack on TWO trailing zeros.

by 1000   →   tack on THREE trailing zeros.

9×1000

Here's how a mental-math pro thinks . . .

9 **thousands** . . . so tack on three zeros after the 9.
9000

TRY THESE IN YOUR HEAD.

Tack on trailing zeros.

1. 3×10
2. 7×100
3. 8×1000
4. 10×13
5. 23×100
6. 1000×11
7. 100×8
8. 7×1000
9. 1000×14
10. 10×162