

# Multiplying by the Power of 10

When multiplying a **whole number** by a power of 10, count the number of zeros after the 1, and stick it to the end of the number you are multiplying.

$$48 \times 10 = 480$$

$$22 \times 100 = 2,200$$

$$3 \times 1,000 = 3,000$$

To multiply a **decimal** by a power of 10, move the decimal point one place to the right for each 0 after the 1.

$$0.48 \times 10 = 4.80$$

$$0.22 \times 100 = 22$$

$$0.3 \times 1,000 = 300$$



## Multiply.

1.  $0.26 \times 10 =$  2.6

2.  $0.72 \times 100 =$  72

3.  $34 \times 1,000 =$  34,000

4.  $4 \times 100 =$  400

5.  $0.351 \times 10 =$  3.51

6.  $1.621 \times 10 =$  16.21

7.  $7,896 \times 100 =$  789,600

8.  $45,110 \times 1,000 =$  45,110,000

9.  $3.333 \times 1,000 =$  3,333

10.  $0.25 \times 10,000 =$  2,500

11.  $445 \times 10 =$  4,450

12.  $9.66 \times 100 =$  966