

Name: Click or tap here to enter text.

Multiplying by the Power of 10



When multiplying a **whole number** by the 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.



$$0.48 \times 10 = 4.80$$

$$0.22 \times 100 = 22$$

$$.03 \times 1,000 = 3$$

Directions: Multiply by the power of ten. Click the box in front of the correct answer.

- | | | | |
|-------------------------|----------------------------------|--------------------------------|----------------------------------|
| 1. $34 \times 100 =$ | ☐ 34 | ☐ 340 | ☐ 3,400 |
| 2. $5 \times 100 =$ | ☐ 500 | ☐ 5 | ☐ 50 |
| 3. $672 \times 1,000 =$ | ☐ 672,000 | ☐ 672 | ☐ 6,720 |
| 4. $219 \times 10 =$ | ☐ 219,000 | ☐ 219 | ☐ 2,190 |
| 5. $91 \times 1,000 =$ | ☐ 910 | ☐ 9,100 | ☐ 91,000 |
| 6. $45 \times 10 =$ | ☐ 450 | ☐ 45 | ☐ 4,500 |
| 7. $100 \times 22 =$ | ☐ 220 | ☐ 2,200 | ☐ 22 |
| 8. $10,000 \times 83 =$ | ☐ 830 | ☐ 8,300 | ☐ 830,000 |
| 9. $10 \times 57 =$ | ☐ 570 | ☐ 57 | ☐ 5,700 |
| 10. $10 \times 694 =$ | ☐ 694 | ☐ 6,940 | ☐ 69,400 |