

6-1 Multiplying Decimals by 10, 100, or 1,000

1. 0.09×10

0.9

0.09×100
2 zeros

9

1. Count how many zeros are in the 10, 100, or 1,000

2. Move the decimal to the right the same amount of spaces. Add a zero if necessary.

2. $4.5 \times 10 = 45$

3. $3.1 \times 10^3 = 3.1 \times 1000 =$

$3,100 \times 1000 = 3100$
3 zeros

$3.10 \times 100 = 310$

4. $7.4 \times 10^1 = 74$

5. $0.62 \times 100 = 62$

6. $1.24 \times 10^3 = 1,240 \times 1000 = 1,240$

9. $4.23 \times 1 = 4.23$