

3.4

Multiplying Decimals by 10, 100, or 1000

• Example 1

$$2.356 \times 10 = 23.56$$

Move the decimal one place to the right.

$$34.788 \times 100 = 3478.8$$

Move the decimal two places to the right.

$$3.67 \times 1000 = 3670. = 3670$$

Move the decimal three places to the right. Note that we added a 0 to place the decimal point correctly.

• • • CHECK YOURSELF 1

Multiply.

$$43.875 \times 100$$

• • • CHECK YOURSELF ANSWER

1. 4387.5.

3.4 Exercises

Name _____

Section _____

Date _____

A N S W E R S

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____

Multiply.

- | | |
|-------------------------|--------------------------|
| 1. 5.89×10 | 2. 0.895×100 |
| 3. 23.79×100 | 4. 2.41×10 |
| 5. 0.045×10 | 6. 5.8×100 |
| 7. 0.431×100 | 8. 0.025×10 |
| 9. 0.7125×1000 | 10. 23.42×1000 |
| 11. 4.82×10 | 12. 3.57×100 |
| 13. 0.785×100 | 14. 14.85×100 |
| 15. 45.71×1000 | 16. 0.0573×1000 |