

3.6

Multiplying a Decimal by a Decimal: Problem Type 1

• Example 1

Multiply 0.23 by 0.7.

$$\begin{array}{r} 0.23 \leftarrow 2 \\ \times 0.7 \leftarrow 1 \\ \hline 0.161 \leftarrow 2 + 1 = 3 \end{array} \left. \vphantom{\begin{array}{r} 0.23 \\ \times 0.7 \\ \hline 0.161 \end{array}} \right\} \text{digits to the right of the decimal point}$$

● ● ● CHECK YOURSELF 1

Multiply 0.36×1.52 .

● ● ● CHECK YOURSELF ANSWER

1. 0.5472.

3.6 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. _____
17. _____
18. _____
19. _____
20. _____
21. _____

Multiply.

1.
$$\begin{array}{r} 2.3 \\ \times 3.4 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 6.5 \\ \times 4.3 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 8.4 \\ \times 5.2 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 0.78 \\ \times 2.3 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 9.5 \\ \times 0.45 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 15.7 \\ \times 2.35 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 28.3 \\ \times 0.59 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 0.354 \\ \times 0.8 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 0.624 \\ \times 0.85 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 3.28 \\ \times 5.07 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 0.582 \\ \times 6.3 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 5.238 \\ \times 0.48 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 1.053 \\ \times 0.552 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 2.375 \\ \times 0.28 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 9.2 \\ \times 4.6 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 2.17 \\ \times 2.9 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 4.31 \\ \times 8.6 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 3.85 \\ \times 0.57 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 2.53 \\ \times 0.45 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 0.482 \\ \times 0.9 \\ \hline \end{array}$$

21.
$$\begin{array}{r} 4.537 \\ \times 0.24 \\ \hline \end{array}$$