

Multiplying Decimals

Name _____

Multiplying by 10, 100, and 1,000

SKILLS

Use mental math to find each product.

- $7.42 \times 10 =$ _____
- $8.361 \times 1,000 =$ _____
- $12.91 \times 100 =$ _____
- $25.734 \times 100 =$ _____
- $426.95 \times 10 =$ _____
- $0.59 \times 100 =$ _____
- $3.042 \times 1,000 =$ _____

To multiply a decimal by 10, move the decimal point one place to the right.

To multiply a decimal by 100, move the decimal point two places to the right.

To multiply a decimal by 1,000, move the decimal point three places to the right.

- $3.425 \times 1,000 =$ _____
- $49.6 \times 10 =$ _____
- $75.436 \times 100 =$ _____

Find each product.

11.
$$\begin{array}{r} 0.82 \\ \times 10 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 1.34 \\ \times 10 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 100 \\ \times 0.21 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 6.93 \\ \times 100 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 1,000 \\ \times 3.28 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 100 \\ \times 6.4 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 7.46 \\ \times 10 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 3.82 \\ \times 1,000 \\ \hline \end{array}$$

Circle the missing number in each multiplication problem.

19. $63.45 \times ? = 634.5$
a. 10 b. 100 c. 1,000

20. $5.963 \times ? = 5,963$
a. 10 b. 100 c. 1,000

21. $2.94 \times ? = 2,940$
a. 10 b. 100 c. 1,000

22. $42.63 \times ? = 4,263$
a. 10 b. 100 c. 1,000

23. $0.45 \times ? = 45$
a. 10 b. 100 c. 1,000

24. $0.1245 \times ? = 12.45$
a. 10 b. 100 c. 1,000