

Multiplying Decimals by Integers

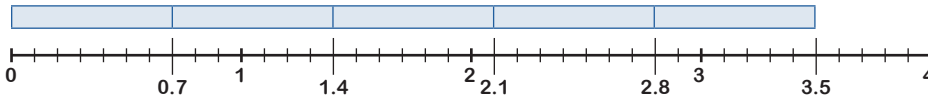


Section A

Complete the multiplications by drawing bars on the given number lines.

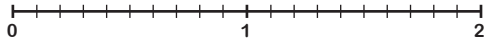
Example

0.7×5

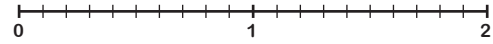


$0.7 \times 5 = 3.5$

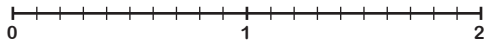
1) $0.3 \times 4 =$



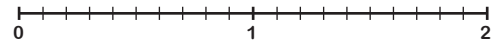
2) $0.2 \times 5 =$



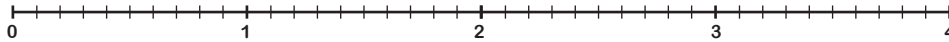
3) $3 \times 0.2 =$



4) $8 \times 0.1 =$



5) $1.4 \times 2 =$



Write down anything you notice:

Section B

Using known facts

Example

If $4 \times 9 = 36$
Then $0.4 \times 9 = 3.6$

1) $5 \times 5 = 25$

$0.5 \times 5 =$

2) $6 \times 3 =$

$0.6 \times 3 =$

3) $7 \times 9 =$

$7 \times 0.9 =$

Continue to use known facts to answer the rest of the questions.

4) $0.1 \times 2 =$

5) $8 \times 0.5 =$

6) $12 \times 0.6 =$

7) $0.3 \times 7 =$

Section C

Using the Column Method

Example

7.2×9

$$\begin{array}{r} 7.2 \\ \times 9 \\ \hline 1.8 \\ + 63.0 \\ \hline 64.8 \end{array}$$

1) 3.5×3

$$\begin{array}{r} 3.5 \\ \times 3 \\ \hline \end{array}$$

2) 2.6×5

$$\begin{array}{r} 2.6 \\ \times 5 \\ \hline \end{array}$$

3) 8.9×4

$$\begin{array}{r} \\ \times \\ \hline \end{array}$$

4) 7×1.8

$$\begin{array}{r} \\ \times \\ \hline \end{array}$$

5) 2×4.51

$$\begin{array}{r} \\ \times \\ \hline \end{array}$$

$$\begin{array}{r} \\ + \\ \hline \end{array}$$

6) 3.76×4

$$\begin{array}{r} \\ \times \\ \hline \end{array}$$

$$\begin{array}{r} \\ + \\ \hline \end{array}$$

7) 9×4.12

$$\begin{array}{r} \\ \times \\ \hline \end{array}$$

$$\begin{array}{r} \\ + \\ \hline \end{array}$$

8) 3×5.88

$$\begin{array}{r} \\ \times \\ \hline \end{array}$$

$$\begin{array}{r} \\ + \\ \hline \end{array}$$