

## Multiplication

### Skill 5 - 5C

#### Multiply Decimals by Decimals

Answers to test question 5C.

$0.4 \times 0.7 = 0.28$

$0.6 \times 1.5 = 0.9$

$0.04 \times 12.6 = 0.504$

<p><b>Step 1</b> Multiply.</p> $\begin{array}{r} 0.04 \\ \times 12.6 \\ \hline 0504 \end{array}$	<p><b>Step 2</b> Count the number of decimal places.</p> $\begin{array}{r} \mathbf{0.04} \leftarrow 2 \text{ decimal places} \\ \times \mathbf{12.6} \leftarrow 1 \text{ decimal place} \end{array}$	<p><b>Step 3</b> The number of decimal places equals three (look at step 2). Move the decimal point in the product three places to the left.</p> $\begin{array}{r} 0.04 \\ \times 12.6 \\ \hline 0.504 \end{array}$
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1. 
$$\begin{array}{r} 0.3 \\ \times 0.2 \\ \hline \end{array}$$

2. 
$$\begin{array}{r} 0.2 \\ \times 0.5 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 0.4 \\ \times 0.4 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 1.4 \\ \times 0.2 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 0.3 \\ \times 1.6 \\ \hline \end{array}$$

6. 
$$\begin{array}{r} 5.4 \\ \times 0.5 \\ \hline \end{array}$$

7. 
$$\begin{array}{r} 2.31 \\ \times 0.3 \\ \hline \end{array}$$

8. 
$$\begin{array}{r} 2.52 \\ \times 1.8 \\ \hline \end{array}$$

9. 
$$\begin{array}{r} 0.15 \\ \times 0.02 \\ \hline \end{array}$$

10. 
$$\begin{array}{r} 23.4 \\ \times 0.01 \\ \hline \end{array}$$

11. 
$$\begin{array}{r} 2.321 \\ \times 0.32 \\ \hline \end{array}$$

12. 
$$\begin{array}{r} 5.05 \\ \times 0.04 \\ \hline \end{array}$$

**Multiplication**  
**Skill 5 - 5C**

**Multiply Decimals by Decimals**

13.            10.05  
              x 0.5

14.            2.15  
              x 3.5

15.            3.25  
              x 5.8

16.            2.52  
              x 3.5

17.            23.3  
              x 2.52

18.            121.35  
              x 3.5

19.            15.8  
              x 0.02

20.            56.01  
              x 3.5

21.            3.212  
              x 0.13

22.            7.06  
              x 1.0

23.            61.8  
              x 10.1

24.            275.5  
              x 0.7

## Multiplication Skill 5 - 5C

### Multiply Decimals by Decimals

$$\begin{array}{r} 25. \quad 2.75 \\ \times 2.6 \\ \hline \end{array}$$

$$\begin{array}{r} 26. \quad 3.05 \\ \times 2.48 \\ \hline \end{array}$$

$$\begin{array}{r} 27. \quad 0.34 \\ \times 0.72 \\ \hline \end{array}$$

$$\begin{array}{r} 28. \quad 0.01 \\ \times 10.1 \\ \hline \end{array}$$

$$\begin{array}{r} 29. \quad 12.8 \\ \times 15.2 \\ \hline \end{array}$$

$$\begin{array}{r} 30. \quad 0.64 \\ \times 0.14 \\ \hline \end{array}$$

$$\begin{array}{r} 31. \quad 3.4 \\ \times 2.4 \\ \hline \end{array}$$

$$\begin{array}{r} 32. \quad 48.760 \\ \times 0.6 \\ \hline \end{array}$$

$$\begin{array}{r} 33. \quad 1.358 \\ \times 0.3 \\ \hline \end{array}$$

$$\begin{array}{r} 34. \quad 0.022 \\ \times 3.1 \\ \hline \end{array}$$

$$\begin{array}{r} 35. \quad 12.05 \\ \times 21.33 \\ \hline \end{array}$$

$$\begin{array}{r} 36. \quad 63.82 \\ \times 15.21 \\ \hline \end{array}$$

Answer Key  
Skill 5 - 5C

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|-------------------|--------------------|---------------------|---------------------|
| <b>1.</b> 0.06    | <b>2.</b> .10      | <b>3.</b> 0.16      | <b>4.</b> 0.28      |
| <b>5.</b> 0.48    | <b>6.</b> 2.7      | <b>7.</b> 0.693     | <b>8.</b> 4.536     |
| <b>9.</b> 0.0030  | <b>10.</b> 0.234   | <b>11.</b> .74272   | <b>12.</b> 0.2020   |
| <b>13.</b> 5.025  | <b>14.</b> 7.525   | <b>15.</b> 18.85    | <b>16.</b> 8.82     |
| <b>17.</b> 58.716 | <b>18.</b> 424.725 | <b>19.</b> 0.316    | <b>20.</b> 196.035  |
| <b>21.</b> .41756 | <b>22.</b> 7.060   | <b>23.</b> 624.18   | <b>24.</b> 192.85   |
| <b>25.</b> 7.15   | <b>26.</b> 7.564   | <b>27.</b> 0.2448   | <b>28.</b> 0.101    |
| <b>29.</b> 194.56 | <b>30.</b> 0.0896  | <b>31.</b> 8.16     | <b>32.</b> 29.256   |
| <b>33.</b> 0.4074 | <b>34.</b> 0.0682  | <b>35.</b> 257.0265 | <b>36.</b> 970.7022 |