



## Understanding Multiplying Decimals

Name: \_\_\_\_\_

**Solve each problem.**

- 1) If  $2 \times 6 = 12$ , then  $0.2 \times 0.06 =$  \_\_\_\_\_
- 2) If  $6 \times 3 = 18$ , then  $0.006 \times 0.03 =$  \_\_\_\_\_
- 3) If  $4 \times 5 = 20$ , then  $0.04 \times 0.5 =$  \_\_\_\_\_
- 4) If  $4 \times 7 = 28$ , then  $0.004 \times 0.07 =$  \_\_\_\_\_
- 5) If  $2 \times 3 = 6$ , then  $0.002 \times 0.003 =$  \_\_\_\_\_
- 6) If  $7 \times 8 = 56$ , then  $0.07 \times 0.08 =$  \_\_\_\_\_
- 7) If  $5 \times 3 = 15$ , then  $0.05 \times 0.003 =$  \_\_\_\_\_
- 8) If  $4 \times 3 = 12$ , then  $0.04 \times 0.3 =$  \_\_\_\_\_
- 9) If  $5 \times 8 = 40$ , then  $0.05 \times 0.08 =$  \_\_\_\_\_
- 10) If  $10 \times 9 = 90$ , then  $1 \times 0.9 =$  \_\_\_\_\_
- 11) If  $10 \times 10 = 100$ , then  $0.01 \times 0.01 =$  \_\_\_\_\_
- 12) If  $7 \times 4 = 28$ , then  $0.7 \times 0.4 =$  \_\_\_\_\_
- 13) If  $3 \times 5 = 15$ , then  $0.03 \times 0.05 =$  \_\_\_\_\_
- 14) If  $10 \times 5 = 50$ , then  $1 \times 0.005 =$  \_\_\_\_\_
- 15) If  $7 \times 6 = 42$ , then  $0.7 \times 0.06 =$  \_\_\_\_\_
- 16) If  $7 \times 9 = 63$ , then  $0.7 \times 0.009 =$  \_\_\_\_\_
- 17) If  $6 \times 8 = 48$ , then  $0.006 \times 0.8 =$  \_\_\_\_\_
- 18) If  $8 \times 10 = 80$ , then  $0.008 \times 1 =$  \_\_\_\_\_
- 19) If  $9 \times 5 = 45$ , then  $0.9 \times 0.5 =$  \_\_\_\_\_
- 20) If  $4 \times 8 = 32$ , then  $0.04 \times 0.008 =$  \_\_\_\_\_

**Answers**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
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16. \_\_\_\_\_
17. \_\_\_\_\_
18. \_\_\_\_\_
19. \_\_\_\_\_
20. \_\_\_\_\_

**Solve each problem.**

- 1) If  $2 \times 6 = 12$ , then  $0.2 \times 0.06 = \underline{\hspace{2cm}} \textcolor{red}{0.012}$
- 2) If  $6 \times 3 = 18$ , then  $0.006 \times 0.03 = \underline{\hspace{2cm}} \textcolor{red}{0.00018}$
- 3) If  $4 \times 5 = 20$ , then  $0.04 \times 0.5 = \underline{\hspace{2cm}} \textcolor{red}{0.02}$
- 4) If  $4 \times 7 = 28$ , then  $0.004 \times 0.07 = \underline{\hspace{2cm}} \textcolor{red}{0.00028}$
- 5) If  $2 \times 3 = 6$ , then  $0.002 \times 0.003 = \underline{\hspace{2cm}} \textcolor{red}{0.000006}$
- 6) If  $7 \times 8 = 56$ , then  $0.07 \times 0.08 = \underline{\hspace{2cm}} \textcolor{red}{0.0056}$
- 7) If  $5 \times 3 = 15$ , then  $0.05 \times 0.003 = \underline{\hspace{2cm}} \textcolor{red}{0.00015}$
- 8) If  $4 \times 3 = 12$ , then  $0.04 \times 0.3 = \underline{\hspace{2cm}} \textcolor{red}{0.012}$
- 9) If  $5 \times 8 = 40$ , then  $0.05 \times 0.08 = \underline{\hspace{2cm}} \textcolor{red}{0.004}$
- 10) If  $10 \times 9 = 90$ , then  $1 \times 0.9 = \underline{\hspace{2cm}} \textcolor{red}{0.9}$
- 11) If  $10 \times 10 = 100$ , then  $0.01 \times 0.01 = \underline{\hspace{2cm}} \textcolor{red}{0.0001}$
- 12) If  $7 \times 4 = 28$ , then  $0.7 \times 0.4 = \underline{\hspace{2cm}} \textcolor{red}{0.28}$
- 13) If  $3 \times 5 = 15$ , then  $0.03 \times 0.05 = \underline{\hspace{2cm}} \textcolor{red}{0.0015}$
- 14) If  $10 \times 5 = 50$ , then  $1 \times 0.005 = \underline{\hspace{2cm}} \textcolor{red}{0.005}$
- 15) If  $7 \times 6 = 42$ , then  $0.7 \times 0.06 = \underline{\hspace{2cm}} \textcolor{red}{0.042}$
- 16) If  $7 \times 9 = 63$ , then  $0.7 \times 0.009 = \underline{\hspace{2cm}} \textcolor{red}{0.0063}$
- 17) If  $6 \times 8 = 48$ , then  $0.006 \times 0.8 = \underline{\hspace{2cm}} \textcolor{red}{0.0048}$
- 18) If  $8 \times 10 = 80$ , then  $0.008 \times 1 = \underline{\hspace{2cm}} \textcolor{red}{0.008}$
- 19) If  $9 \times 5 = 45$ , then  $0.9 \times 0.5 = \underline{\hspace{2cm}} \textcolor{red}{0.45}$
- 20) If  $4 \times 8 = 32$ , then  $0.04 \times 0.008 = \underline{\hspace{2cm}} \textcolor{red}{0.00032}$

**Answers**

1.  $\underline{\hspace{2cm}} \textcolor{red}{0.012}$
2.  $\underline{\hspace{2cm}} \textcolor{red}{0.00018}$
3.  $\underline{\hspace{2cm}} \textcolor{red}{0.02}$
4.  $\underline{\hspace{2cm}} \textcolor{red}{0.00028}$
5.  $\underline{\hspace{2cm}} \textcolor{red}{0.000006}$
6.  $\underline{\hspace{2cm}} \textcolor{red}{0.0056}$
7.  $\underline{\hspace{2cm}} \textcolor{red}{0.00015}$
8.  $\underline{\hspace{2cm}} \textcolor{red}{0.012}$
9.  $\underline{\hspace{2cm}} \textcolor{red}{0.004}$
10.  $\underline{\hspace{2cm}} \textcolor{red}{0.9}$
11.  $\underline{\hspace{2cm}} \textcolor{red}{0.0001}$
12.  $\underline{\hspace{2cm}} \textcolor{red}{0.28}$
13.  $\underline{\hspace{2cm}} \textcolor{red}{0.0015}$
14.  $\underline{\hspace{2cm}} \textcolor{red}{0.005}$
15.  $\underline{\hspace{2cm}} \textcolor{red}{0.042}$
16.  $\underline{\hspace{2cm}} \textcolor{red}{0.0063}$
17.  $\underline{\hspace{2cm}} \textcolor{red}{0.0048}$
18.  $\underline{\hspace{2cm}} \textcolor{red}{0.008}$
19.  $\underline{\hspace{2cm}} \textcolor{red}{0.45}$
20.  $\underline{\hspace{2cm}} \textcolor{red}{0.00032}$