



## Understanding Multiplying Decimals

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

Solve each problem.

- 1) If  $7 \times 7 = 49$ , then  $0.7 \times 0.007 =$  \_\_\_\_\_
- 2) If  $4 \times 3 = 12$ , then  $0.004 \times 0.003 =$  \_\_\_\_\_
- 3) If  $4 \times 8 = 32$ , then  $0.04 \times 0.8 =$  \_\_\_\_\_
- 4) If  $8 \times 5 = 40$ , then  $0.8 \times 0.5 =$  \_\_\_\_\_
- 5) If  $2 \times 4 = 8$ , then  $0.2 \times 0.04 =$  \_\_\_\_\_
- 6) If  $5 \times 3 = 15$ , then  $0.05 \times 0.003 =$  \_\_\_\_\_
- 7) If  $2 \times 8 = 16$ , then  $0.002 \times 0.008 =$  \_\_\_\_\_
- 8) If  $2 \times 2 = 4$ , then  $0.2 \times 0.002 =$  \_\_\_\_\_
- 9) If  $8 \times 7 = 56$ , then  $0.008 \times 0.7 =$  \_\_\_\_\_
- 10) If  $9 \times 2 = 18$ , then  $0.9 \times 0.2 =$  \_\_\_\_\_
- 11) If  $9 \times 7 = 63$ , then  $0.009 \times 0.07 =$  \_\_\_\_\_
- 12) If  $2 \times 7 = 14$ , then  $0.02 \times 0.07 =$  \_\_\_\_\_
- 13) If  $2 \times 4 = 8$ , then  $0.2 \times 0.04 =$  \_\_\_\_\_
- 14) If  $6 \times 7 = 42$ , then  $0.06 \times 0.07 =$  \_\_\_\_\_
- 15) If  $8 \times 2 = 16$ , then  $0.08 \times 0.2 =$  \_\_\_\_\_
- 16) If  $10 \times 8 = 80$ , then  $0.1 \times 0.008 =$  \_\_\_\_\_
- 17) If  $7 \times 6 = 42$ , then  $0.007 \times 0.6 =$  \_\_\_\_\_
- 18) If  $4 \times 10 = 40$ , then  $0.04 \times 0.01 =$  \_\_\_\_\_
- 19) If  $5 \times 6 = 30$ , then  $0.005 \times 0.006 =$  \_\_\_\_\_
- 20) If  $10 \times 6 = 60$ , then  $0.1 \times 0.6 =$  \_\_\_\_\_

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
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16. \_\_\_\_\_
17. \_\_\_\_\_
18. \_\_\_\_\_
19. \_\_\_\_\_
20. \_\_\_\_\_



## Understanding Multiplying Decimals

Name: **Answer Key****Solve each problem.**

- 1) If  $7 \times 7 = 49$ , then  $0.7 \times 0.007 = \underline{0.0049}$
- 2) If  $4 \times 3 = 12$ , then  $0.004 \times 0.003 = \underline{0.000012}$
- 3) If  $4 \times 8 = 32$ , then  $0.04 \times 0.8 = \underline{0.032}$
- 4) If  $8 \times 5 = 40$ , then  $0.8 \times 0.5 = \underline{0.4}$
- 5) If  $2 \times 4 = 8$ , then  $0.2 \times 0.04 = \underline{0.008}$
- 6) If  $5 \times 3 = 15$ , then  $0.05 \times 0.003 = \underline{0.00015}$
- 7) If  $2 \times 8 = 16$ , then  $0.002 \times 0.008 = \underline{0.000016}$
- 8) If  $2 \times 2 = 4$ , then  $0.2 \times 0.002 = \underline{0.0004}$
- 9) If  $8 \times 7 = 56$ , then  $0.008 \times 0.7 = \underline{0.0056}$
- 10) If  $9 \times 2 = 18$ , then  $0.9 \times 0.2 = \underline{0.18}$
- 11) If  $9 \times 7 = 63$ , then  $0.009 \times 0.07 = \underline{0.00063}$
- 12) If  $2 \times 7 = 14$ , then  $0.02 \times 0.07 = \underline{0.0014}$
- 13) If  $2 \times 4 = 8$ , then  $0.2 \times 0.04 = \underline{0.008}$
- 14) If  $6 \times 7 = 42$ , then  $0.06 \times 0.07 = \underline{0.0042}$
- 15) If  $8 \times 2 = 16$ , then  $0.08 \times 0.2 = \underline{0.016}$
- 16) If  $10 \times 8 = 80$ , then  $0.1 \times 0.008 = \underline{0.0008}$
- 17) If  $7 \times 6 = 42$ , then  $0.007 \times 0.6 = \underline{0.0042}$
- 18) If  $4 \times 10 = 40$ , then  $0.04 \times 0.01 = \underline{0.0004}$
- 19) If  $5 \times 6 = 30$ , then  $0.005 \times 0.006 = \underline{0.00003}$
- 20) If  $10 \times 6 = 60$ , then  $0.1 \times 0.6 = \underline{0.06}$

**Answers**

1. **0.0049**
2. **0.000012**
3. **0.032**
4. **0.4**
5. **0.008**
6. **0.00015**
7. **0.000016**
8. **0.0004**
9. **0.0056**
10. **0.18**
11. **0.00063**
12. **0.0014**
13. **0.008**
14. **0.0042**
15. **0.016**
16. **0.0008**
17. **0.0042**
18. **0.0004**
19. **0.00003**
20. **0.06**