



## Understanding Multiplying Decimals

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

Solve each problem.

1) If  $6 \times 9 = 54$ , then  $0.6 \times 0.9 =$  \_\_\_\_\_

**Answers**

1. \_\_\_\_\_

2) If  $5 \times 3 = 15$ , then  $0.005 \times 0.003 =$  \_\_\_\_\_

2. \_\_\_\_\_

3) If  $6 \times 3 = 18$ , then  $0.06 \times 0.3 =$  \_\_\_\_\_

3. \_\_\_\_\_

4) If  $7 \times 3 = 21$ , then  $0.7 \times 0.03 =$  \_\_\_\_\_

4. \_\_\_\_\_

5) If  $8 \times 2 = 16$ , then  $0.008 \times 0.002 =$  \_\_\_\_\_

5. \_\_\_\_\_

6) If  $9 \times 7 = 63$ , then  $0.09 \times 0.7 =$  \_\_\_\_\_

6. \_\_\_\_\_

7) If  $5 \times 4 = 20$ , then  $0.5 \times 0.4 =$  \_\_\_\_\_

7. \_\_\_\_\_

8) If  $8 \times 2 = 16$ , then  $0.008 \times 0.02 =$  \_\_\_\_\_

8. \_\_\_\_\_

9) If  $5 \times 4 = 20$ , then  $0.005 \times 0.04 =$  \_\_\_\_\_

9. \_\_\_\_\_

10) If  $3 \times 4 = 12$ , then  $0.003 \times 0.04 =$  \_\_\_\_\_

10. \_\_\_\_\_

11) If  $9 \times 9 = 81$ , then  $0.009 \times 0.9 =$  \_\_\_\_\_

11. \_\_\_\_\_

12) If  $5 \times 7 = 35$ , then  $0.005 \times 0.7 =$  \_\_\_\_\_

12. \_\_\_\_\_

13) If  $5 \times 3 = 15$ , then  $0.5 \times 0.003 =$  \_\_\_\_\_

13. \_\_\_\_\_

14) If  $5 \times 10 = 50$ , then  $0.05 \times 0.1 =$  \_\_\_\_\_

14. \_\_\_\_\_

15) If  $5 \times 6 = 30$ , then  $0.05 \times 0.6 =$  \_\_\_\_\_

15. \_\_\_\_\_

16) If  $6 \times 9 = 54$ , then  $0.06 \times 0.009 =$  \_\_\_\_\_

16. \_\_\_\_\_

17) If  $8 \times 6 = 48$ , then  $0.8 \times 0.006 =$  \_\_\_\_\_

17. \_\_\_\_\_

18) If  $7 \times 10 = 70$ , then  $0.07 \times 0.1 =$  \_\_\_\_\_

18. \_\_\_\_\_

19) If  $5 \times 6 = 30$ , then  $0.05 \times 0.006 =$  \_\_\_\_\_

19. \_\_\_\_\_

20) If  $10 \times 9 = 90$ , then  $1 \times 0.009 =$  \_\_\_\_\_

20. \_\_\_\_\_



## Understanding Multiplying Decimals

Name: **Answer Key**

Solve each problem.

1) If  $6 \times 9 = 54$ , then  $0.6 \times 0.9 = \underline{0.54}$

**Answers**1. **0.54**

2) If  $5 \times 3 = 15$ , then  $0.005 \times 0.003 = \underline{0.000015}$

2. **0.000015**

3) If  $6 \times 3 = 18$ , then  $0.06 \times 0.3 = \underline{0.018}$

3. **0.018**

4) If  $7 \times 3 = 21$ , then  $0.7 \times 0.03 = \underline{0.021}$

4. **0.021**

5) If  $8 \times 2 = 16$ , then  $0.008 \times 0.002 = \underline{0.000016}$

5. **0.000016**

6) If  $9 \times 7 = 63$ , then  $0.09 \times 0.7 = \underline{0.063}$

6. **0.063**

7) If  $5 \times 4 = 20$ , then  $0.5 \times 0.4 = \underline{0.2}$

7. **0.2**

8) If  $8 \times 2 = 16$ , then  $0.008 \times 0.02 = \underline{0.00016}$

8. **0.00016**

9) If  $5 \times 4 = 20$ , then  $0.005 \times 0.04 = \underline{0.0002}$

9. **0.0002**

10) If  $3 \times 4 = 12$ , then  $0.003 \times 0.04 = \underline{0.00012}$

10. **0.00012**

11) If  $9 \times 9 = 81$ , then  $0.009 \times 0.9 = \underline{0.0081}$

11. **0.0081**

12) If  $5 \times 7 = 35$ , then  $0.005 \times 0.7 = \underline{0.0035}$

12. **0.0035**

13) If  $5 \times 3 = 15$ , then  $0.5 \times 0.03 = \underline{0.0015}$

13. **0.0015**

14) If  $5 \times 10 = 50$ , then  $0.05 \times 0.1 = \underline{0.005}$

14. **0.005**

15) If  $5 \times 6 = 30$ , then  $0.05 \times 0.6 = \underline{0.03}$

15. **0.03**

16) If  $6 \times 9 = 54$ , then  $0.06 \times 0.009 = \underline{0.00054}$

16. **0.00054**

17) If  $8 \times 6 = 48$ , then  $0.8 \times 0.006 = \underline{0.0048}$

17. **0.0048**

18) If  $7 \times 10 = 70$ , then  $0.07 \times 0.1 = \underline{0.007}$

18. **0.007**

19) If  $5 \times 6 = 30$ , then  $0.05 \times 0.006 = \underline{0.0003}$

19. **0.0003**

20) If  $10 \times 9 = 90$ , then  $1 \times 0.009 = \underline{0.009}$

20. **0.009**