



## Understanding Multiplying Decimals

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

Solve each problem.

1) If  $2 \times 3 = 6$ , then  $0.2 \times 0.3 =$  \_\_\_\_\_

2) If  $5 \times 5 = 25$ , then  $0.05 \times 0.05 =$  \_\_\_\_\_

3) If  $7 \times 8 = 56$ , then  $0.007 \times 0.008 =$  \_\_\_\_\_

4) If  $5 \times 4 = 20$ , then  $0.05 \times 0.4 =$  \_\_\_\_\_

5) If  $8 \times 7 = 56$ , then  $0.008 \times 0.7 =$  \_\_\_\_\_

6) If  $5 \times 3 = 15$ , then  $0.05 \times 0.03 =$  \_\_\_\_\_

7) If  $9 \times 4 = 36$ , then  $0.09 \times 0.4 =$  \_\_\_\_\_

8) If  $9 \times 5 = 45$ , then  $0.09 \times 0.005 =$  \_\_\_\_\_

9) If  $8 \times 10 = 80$ , then  $0.8 \times 0.01 =$  \_\_\_\_\_

10) If  $4 \times 10 = 40$ , then  $0.004 \times 0.1 =$  \_\_\_\_\_

11) If  $10 \times 6 = 60$ , then  $0.01 \times 0.6 =$  \_\_\_\_\_

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

13) If  $3 \times 9 = 27$ , then  $0.3 \times 0.9 =$  \_\_\_\_\_

14) If  $3 \times 10 = 30$ , then  $0.3 \times 0.01 =$  \_\_\_\_\_

15) If  $7 \times 9 = 63$ , then  $0.07 \times 0.09 =$  \_\_\_\_\_

16) If  $6 \times 6 = 36$ , then  $0.6 \times 0.06 =$  \_\_\_\_\_

17) If  $4 \times 9 = 36$ , then  $0.4 \times 0.009 =$  \_\_\_\_\_

18) If  $3 \times 2 = 6$ , then  $0.03 \times 0.002 =$  \_\_\_\_\_

19) If  $6 \times 7 = 42$ , then  $0.6 \times 0.07 =$  \_\_\_\_\_

20) If  $3 \times 10 = 30$ , then  $0.03 \times 1 =$  \_\_\_\_\_

Answers

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



## Understanding Multiplying Decimals

Name: **Answer Key**

Solve each problem.

1) If  $2 \times 3 = 6$ , then  $0.2 \times 0.3 = \underline{0.06}$

**Answers**1. **0.06**

2) If  $5 \times 5 = 25$ , then  $0.05 \times 0.05 = \underline{0.0025}$

2. **0.0025**

3) If  $7 \times 8 = 56$ , then  $0.007 \times 0.008 = \underline{0.000056}$

3. **0.000056**

4) If  $5 \times 4 = 20$ , then  $0.05 \times 0.4 = \underline{0.02}$

4. **0.02**

5) If  $8 \times 7 = 56$ , then  $0.008 \times 0.7 = \underline{0.0056}$

5. **0.0056**

6) If  $5 \times 3 = 15$ , then  $0.05 \times 0.03 = \underline{0.0015}$

6. **0.0015**

7) If  $9 \times 4 = 36$ , then  $0.09 \times 0.4 = \underline{0.036}$

7. **0.036**

8) If  $9 \times 5 = 45$ , then  $0.09 \times 0.005 = \underline{0.00045}$

8. **0.00045**

9) If  $8 \times 10 = 80$ , then  $0.8 \times 0.01 = \underline{0.008}$

9. **0.008**

10) If  $4 \times 10 = 40$ , then  $0.004 \times 0.1 = \underline{0.0004}$

10. **0.0004**

11) If  $10 \times 6 = 60$ , then  $0.01 \times 0.6 = \underline{0.006}$

11. **0.006**

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

12. **0.00012**

13) If  $3 \times 9 = 27$ , then  $0.3 \times 0.9 = \underline{0.27}$

13. **0.27**

14) If  $3 \times 10 = 30$ , then  $0.3 \times 0.01 = \underline{0.003}$

14. **0.003**

15) If  $7 \times 9 = 63$ , then  $0.07 \times 0.09 = \underline{0.0063}$

15. **0.0063**

16) If  $6 \times 6 = 36$ , then  $0.6 \times 0.06 = \underline{0.036}$

16. **0.036**

17) If  $4 \times 9 = 36$ , then  $0.4 \times 0.009 = \underline{0.0036}$

17. **0.0036**

18) If  $3 \times 2 = 6$ , then  $0.03 \times 0.002 = \underline{0.00006}$

18. **0.00006**

19) If  $6 \times 7 = 42$ , then  $0.6 \times 0.07 = \underline{0.042}$

19. **0.042**

20) If  $3 \times 10 = 30$ , then  $0.03 \times 1 = \underline{0.03}$

20. **0.03**