



Understanding Multiplying Decimals

Name: _____

Solve each problem.

1) If $4 \times 5 = 20$, then $0.004 \times 0.5 =$ _____

2) If $8 \times 9 = 72$, then $0.8 \times 0.9 =$ _____

3) If $2 \times 6 = 12$, then $0.002 \times 0.06 =$ _____

4) If $8 \times 7 = 56$, then $0.08 \times 0.007 =$ _____

5) If $2 \times 3 = 6$, then $0.2 \times 0.3 =$ _____

6) If $10 \times 5 = 50$, then $0.1 \times 0.05 =$ _____

7) If $8 \times 7 = 56$, then $0.08 \times 0.007 =$ _____

8) If $9 \times 3 = 27$, then $0.9 \times 0.3 =$ _____

9) If $9 \times 6 = 54$, then $0.009 \times 0.006 =$ _____

10) If $9 \times 9 = 81$, then $0.9 \times 0.009 =$ _____

11) If $3 \times 7 = 21$, then $0.03 \times 0.7 =$ _____

12) If $7 \times 4 = 28$, then $0.007 \times 0.4 =$ _____

13) If $3 \times 5 = 15$, then $0.03 \times 0.5 =$ _____

14) If $2 \times 10 = 20$, then $0.02 \times 0.01 =$ _____

15) If $6 \times 3 = 18$, then $0.6 \times 0.003 =$ _____

16) If $6 \times 10 = 60$, then $0.006 \times 0.01 =$ _____

17) If $3 \times 7 = 21$, then $0.3 \times 0.07 =$ _____

18) If $9 \times 6 = 54$, then $0.009 \times 0.006 =$ _____

19) If $6 \times 8 = 48$, then $0.06 \times 0.8 =$ _____

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

**Solve each problem.**

1) If $4 \times 5 = 20$, then $0.004 \times 0.5 = \underline{0.002}$

Answers1. **0.002**

2) If $8 \times 9 = 72$, then $0.8 \times 0.9 = \underline{0.72}$

2. **0.72**

3) If $2 \times 6 = 12$, then $0.002 \times 0.06 = \underline{0.00012}$

3. **0.00012**

4) If $8 \times 7 = 56$, then $0.08 \times 0.007 = \underline{0.00056}$

4. **0.00056**

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

5. **0.06**

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

6. **0.005**

7) If $8 \times 7 = 56$, then $0.08 \times 0.007 = \underline{0.00056}$

7. **0.00056**

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

8. **0.27**

9) If $9 \times 6 = 54$, then $0.009 \times 0.006 = \underline{0.000054}$

9. **0.000054**

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

10. **0.0081**

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

11. **0.021**

12) If $7 \times 4 = 28$, then $0.007 \times 0.4 = \underline{0.0028}$

12. **0.0028**

13) If $3 \times 5 = 15$, then $0.03 \times 0.5 = \underline{0.015}$

13. **0.015**

14) If $2 \times 10 = 20$, then $0.02 \times 0.01 = \underline{0.0002}$

14. **0.0002**

15) If $6 \times 3 = 18$, then $0.6 \times 0.003 = \underline{0.0018}$

15. **0.0018**

16) If $6 \times 10 = 60$, then $0.006 \times 0.01 = \underline{0.00006}$

16. **0.00006**

17) If $3 \times 7 = 21$, then $0.3 \times 0.07 = \underline{0.021}$

17. **0.021**

18) If $9 \times 6 = 54$, then $0.009 \times 0.006 = \underline{0.000054}$

18. **0.000054**

19) If $6 \times 8 = 48$, then $0.06 \times 0.8 = \underline{0.048}$

19. **0.048**

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

20. **0.018**