



Understanding Multiplying Decimals

Name: _____

Solve each problem.

1) If $9 \times 9 = 81$, then $0.09 \times 0.9 =$ _____

Answers

1. _____

2) If $2 \times 9 = 18$, then $0.2 \times 0.009 =$ _____

2. _____

3) If $4 \times 2 = 8$, then $0.04 \times 0.2 =$ _____

3. _____

4) If $5 \times 8 = 40$, then $0.005 \times 0.8 =$ _____

4. _____

5) If $7 \times 8 = 56$, then $0.07 \times 0.8 =$ _____

5. _____

6) If $10 \times 6 = 60$, then $0.1 \times 0.006 =$ _____

6. _____

7) If $6 \times 2 = 12$, then $0.6 \times 0.2 =$ _____

7. _____

8) If $10 \times 2 = 20$, then $0.1 \times 0.002 =$ _____

8. _____

9) If $6 \times 8 = 48$, then $0.06 \times 0.08 =$ _____

9. _____

10) If $3 \times 3 = 9$, then $0.3 \times 0.03 =$ _____

10. _____

11) If $6 \times 7 = 42$, then $0.006 \times 0.007 =$ _____

11. _____

12) If $9 \times 4 = 36$, then $0.009 \times 0.004 =$ _____

12. _____

13) If $2 \times 8 = 16$, then $0.002 \times 0.08 =$ _____

13. _____

14) If $3 \times 4 = 12$, then $0.3 \times 0.4 =$ _____

14. _____

15) If $10 \times 9 = 90$, then $0.01 \times 0.09 =$ _____

15. _____

16) If $10 \times 6 = 60$, then $0.1 \times 0.06 =$ _____

16. _____

17) If $8 \times 9 = 72$, then $0.008 \times 0.9 =$ _____

17. _____

18) If $7 \times 8 = 56$, then $0.7 \times 0.08 =$ _____

18. _____

19) If $7 \times 10 = 70$, then $0.7 \times 0.01 =$ _____

19. _____

20) If $3 \times 3 = 9$, then $0.003 \times 0.03 =$ _____

20. _____



Solve each problem.

1) If $9 \times 9 = 81$, then $0.09 \times 0.9 = \underline{0.081}$

Answers1. **0.081**

2) If $2 \times 9 = 18$, then $0.2 \times 0.009 = \underline{0.0018}$

2. **0.0018**

3) If $4 \times 2 = 8$, then $0.04 \times 0.2 = \underline{0.008}$

3. **0.008**

4) If $5 \times 8 = 40$, then $0.005 \times 0.8 = \underline{0.004}$

4. **0.004**

5) If $7 \times 8 = 56$, then $0.07 \times 0.8 = \underline{0.056}$

5. **0.056**

6) If $10 \times 6 = 60$, then $0.1 \times 0.006 = \underline{0.0006}$

6. **0.0006**

7) If $6 \times 2 = 12$, then $0.6 \times 0.2 = \underline{0.12}$

7. **0.12**

8) If $10 \times 2 = 20$, then $0.1 \times 0.002 = \underline{0.0002}$

8. **0.0002**

9) If $6 \times 8 = 48$, then $0.06 \times 0.08 = \underline{0.0048}$

9. **0.0048**

10) If $3 \times 3 = 9$, then $0.3 \times 0.03 = \underline{0.009}$

10. **0.009**

11) If $6 \times 7 = 42$, then $0.006 \times 0.007 = \underline{0.000042}$

11. **0.000042**

12) If $9 \times 4 = 36$, then $0.009 \times 0.004 = \underline{0.000036}$

12. **0.000036**

13) If $2 \times 8 = 16$, then $0.002 \times 0.08 = \underline{0.00016}$

13. **0.00016**

14) If $3 \times 4 = 12$, then $0.3 \times 0.4 = \underline{0.12}$

14. **0.12**

15) If $10 \times 9 = 90$, then $0.01 \times 0.09 = \underline{0.0009}$

15. **0.0009**

16) If $10 \times 6 = 60$, then $0.1 \times 0.06 = \underline{0.006}$

16. **0.006**

17) If $8 \times 9 = 72$, then $0.008 \times 0.9 = \underline{0.0072}$

17. **0.0072**

18) If $7 \times 8 = 56$, then $0.7 \times 0.08 = \underline{0.056}$

18. **0.056**

19) If $7 \times 10 = 70$, then $0.7 \times 0.01 = \underline{0.007}$

19. **0.007**

20) If $3 \times 3 = 9$, then $0.003 \times 0.03 = \underline{0.00009}$

20. **0.00009**



Understanding Multiplying Decimals

Name: _____

Solve each problem.

- 1) If $2 \times 5 = 10$, then $0.002 \times 0.5 =$ _____
- 2) If $5 \times 8 = 40$, then $0.005 \times 0.008 =$ _____
- 3) If $8 \times 8 = 64$, then $0.008 \times 0.08 =$ _____
- 4) If $9 \times 4 = 36$, then $0.09 \times 0.4 =$ _____
- 5) If $2 \times 6 = 12$, then $0.002 \times 0.06 =$ _____
- 6) If $4 \times 6 = 24$, then $0.004 \times 0.6 =$ _____
- 7) If $2 \times 6 = 12$, then $0.002 \times 0.06 =$ _____
- 8) If $2 \times 10 = 20$, then $0.2 \times 1 =$ _____
- 9) If $3 \times 5 = 15$, then $0.03 \times 0.05 =$ _____
- 10) If $2 \times 4 = 8$, then $0.002 \times 0.4 =$ _____
- 11) If $2 \times 5 = 10$, then $0.02 \times 0.005 =$ _____
- 12) If $7 \times 9 = 63$, then $0.007 \times 0.009 =$ _____
- 13) If $7 \times 4 = 28$, then $0.07 \times 0.004 =$ _____
- 14) If $2 \times 6 = 12$, then $0.02 \times 0.006 =$ _____
- 15) If $2 \times 4 = 8$, then $0.002 \times 0.004 =$ _____
- 16) If $7 \times 2 = 14$, then $0.7 \times 0.002 =$ _____
- 17) If $8 \times 3 = 24$, then $0.08 \times 0.3 =$ _____
- 18) If $7 \times 5 = 35$, then $0.7 \times 0.005 =$ _____
- 19) If $7 \times 10 = 70$, then $0.07 \times 1 =$ _____
- 20) If $7 \times 6 = 42$, then $0.7 \times 0.06 =$ _____

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 $2 \times 5 = 10$, then $0.002 \times 0.5 = \underline{0.001}$
- 2) If $5 \times 8 = 40$, then $0.005 \times 0.008 = \underline{0.00004}$
- 3) If $8 \times 8 = 64$, then $0.008 \times 0.08 = \underline{0.00064}$
- 4) If $9 \times 4 = 36$, then $0.09 \times 0.4 = \underline{0.036}$
- 5) If $2 \times 6 = 12$, then $0.002 \times 0.06 = \underline{0.00012}$
- 6) If $4 \times 6 = 24$, then $0.004 \times 0.6 = \underline{0.0024}$
- 7) If $2 \times 6 = 12$, then $0.002 \times 0.06 = \underline{0.00012}$
- 8) If $2 \times 10 = 20$, then $0.2 \times 1 = \underline{0.2}$
- 9) If $3 \times 5 = 15$, then $0.03 \times 0.05 = \underline{0.0015}$
- 10) If $2 \times 4 = 8$, then $0.002 \times 0.4 = \underline{0.0008}$
- 11) If $2 \times 5 = 10$, then $0.02 \times 0.005 = \underline{0.0001}$
- 12) If $7 \times 9 = 63$, then $0.007 \times 0.009 = \underline{0.000063}$
- 13) If $7 \times 4 = 28$, then $0.07 \times 0.004 = \underline{0.00028}$
- 14) If $2 \times 6 = 12$, then $0.02 \times 0.006 = \underline{0.00012}$
- 15) If $2 \times 4 = 8$, then $0.002 \times 0.004 = \underline{0.000008}$
- 16) If $7 \times 2 = 14$, then $0.7 \times 0.002 = \underline{0.0014}$
- 17) If $8 \times 3 = 24$, then $0.08 \times 0.3 = \underline{0.024}$
- 18) If $7 \times 5 = 35$, then $0.7 \times 0.005 = \underline{0.0035}$
- 19) If $7 \times 10 = 70$, then $0.07 \times 1 = \underline{0.07}$
- 20) If $7 \times 6 = 42$, then $0.7 \times 0.06 = \underline{0.042}$

Answers

1.	0.001
2.	0.00004
3.	0.00064
4.	0.036
5.	0.00012
6.	0.0024
7.	0.00012
8.	0.2
9.	0.0015
10.	0.0008
11.	0.0001
12.	0.000063
13.	0.00028
14.	0.00012
15.	0.000008
16.	0.0014
17.	0.024
18.	0.0035
19.	0.07
20.	0.042



Understanding Multiplying Decimals

Name: _____

Solve each problem.

1) If $4 \times 9 = 36$, then $0.4 \times 0.09 =$ _____

Answers

1. _____

2) If $7 \times 6 = 42$, then $0.7 \times 0.006 =$ _____

2. _____

3) If $3 \times 6 = 18$, then $0.03 \times 0.6 =$ _____

3. _____

4) If $8 \times 10 = 80$, then $0.8 \times 1 =$ _____

4. _____

5) If $3 \times 6 = 18$, then $0.03 \times 0.06 =$ _____

5. _____

6) If $5 \times 8 = 40$, then $0.5 \times 0.08 =$ _____

6. _____

7) If $6 \times 4 = 24$, then $0.06 \times 0.004 =$ _____

7. _____

8) If $10 \times 6 = 60$, then $1 \times 0.006 =$ _____

8. _____

9) If $9 \times 9 = 81$, then $0.009 \times 0.09 =$ _____

9. _____

10) If $5 \times 6 = 30$, then $0.05 \times 0.06 =$ _____

10. _____

11) If $3 \times 3 = 9$, then $0.003 \times 0.003 =$ _____

11. _____

12) If $6 \times 3 = 18$, then $0.6 \times 0.03 =$ _____

12. _____

13) If $9 \times 5 = 45$, then $0.09 \times 0.005 =$ _____

13. _____

14) If $8 \times 4 = 32$, then $0.008 \times 0.4 =$ _____

14. _____

15) If $8 \times 7 = 56$, then $0.008 \times 0.07 =$ _____

15. _____

16) If $7 \times 3 = 21$, then $0.007 \times 0.003 =$ _____

16. _____

17) If $6 \times 5 = 30$, then $0.006 \times 0.5 =$ _____

17. _____

18) If $3 \times 5 = 15$, then $0.03 \times 0.005 =$ _____

18. _____

19) If $7 \times 8 = 56$, then $0.007 \times 0.008 =$ _____

19. _____

20) If $6 \times 4 = 24$, then $0.06 \times 0.4 =$ _____

20. _____



Solve each problem.

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

Answers1. **0.036**

2) If $7 \times 6 = 42$, then $0.7 \times 0.006 = \underline{0.0042}$

2. **0.0042**

3) If $3 \times 6 = 18$, then $0.03 \times 0.6 = \underline{0.018}$

3. **0.018**

4) If $8 \times 10 = 80$, then $0.8 \times 1 = \underline{0.8}$

4. **0.8**

5) If $3 \times 6 = 18$, then $0.03 \times 0.06 = \underline{0.0018}$

5. **0.0018**

6) If $5 \times 8 = 40$, then $0.5 \times 0.08 = \underline{0.04}$

6. **0.04**

7) If $6 \times 4 = 24$, then $0.06 \times 0.004 = \underline{0.00024}$

7. **0.00024**

8) If $10 \times 6 = 60$, then $1 \times 0.006 = \underline{0.006}$

8. **0.006**

9) If $9 \times 9 = 81$, then $0.009 \times 0.09 = \underline{0.00081}$

9. **0.00081**

10) If $5 \times 6 = 30$, then $0.05 \times 0.06 = \underline{0.003}$

10. **0.003**

11) If $3 \times 3 = 9$, then $0.003 \times 0.003 = \underline{0.000009}$

11. **0.000009**

12) If $6 \times 3 = 18$, then $0.6 \times 0.03 = \underline{0.018}$

12. **0.018**

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

13. **0.00045**

14) If $8 \times 4 = 32$, then $0.008 \times 0.4 = \underline{0.0032}$

14. **0.0032**

15) If $8 \times 7 = 56$, then $0.008 \times 0.07 = \underline{0.00056}$

15. **0.00056**

16) If $7 \times 3 = 21$, then $0.007 \times 0.003 = \underline{0.000021}$

16. **0.000021**

17) If $6 \times 5 = 30$, then $0.006 \times 0.5 = \underline{0.003}$

17. **0.003**

18) If $3 \times 5 = 15$, then $0.03 \times 0.005 = \underline{0.00015}$

18. **0.00015**

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

19. **0.000056**

20) If $6 \times 4 = 24$, then $0.06 \times 0.4 = \underline{0.024}$

20. **0.024**



Understanding Multiplying Decimals

Name: _____

Solve each problem.

1) If $3 \times 10 = 30$, then $0.03 \times 0.1 =$ _____

2) If $5 \times 6 = 30$, then $0.005 \times 0.6 =$ _____

3) If $8 \times 7 = 56$, then $0.8 \times 0.007 =$ _____

4) If $2 \times 10 = 20$, then $0.2 \times 1 =$ _____

5) If $6 \times 7 = 42$, then $0.06 \times 0.7 =$ _____

6) If $3 \times 8 = 24$, then $0.3 \times 0.8 =$ _____

7) If $2 \times 6 = 12$, then $0.2 \times 0.006 =$ _____

8) If $6 \times 10 = 60$, then $0.006 \times 0.1 =$ _____

9) If $4 \times 9 = 36$, then $0.04 \times 0.009 =$ _____

10) If $5 \times 4 = 20$, then $0.005 \times 0.004 =$ _____

11) If $4 \times 3 = 12$, then $0.004 \times 0.003 =$ _____

12) If $8 \times 7 = 56$, then $0.008 \times 0.7 =$ _____

13) If $8 \times 2 = 16$, then $0.08 \times 0.02 =$ _____

14) If $5 \times 4 = 20$, then $0.05 \times 0.004 =$ _____

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

16) If $10 \times 2 = 20$, then $0.1 \times 0.02 =$ _____

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

18) If $6 \times 9 = 54$, then $0.6 \times 0.09 =$ _____

19) If $9 \times 5 = 45$, then $0.9 \times 0.005 =$ _____

20) If $8 \times 5 = 40$, then $0.008 \times 0.5 =$ _____

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 $3 \times 10 = 30$, then $0.03 \times 0.1 = \underline{0.003}$

2) If $5 \times 6 = 30$, then $0.005 \times 0.6 = \underline{0.003}$

3) If $8 \times 7 = 56$, then $0.8 \times 0.007 = \underline{0.0056}$

4) If $2 \times 10 = 20$, then $0.2 \times 1 = \underline{0.2}$

5) If $6 \times 7 = 42$, then $0.06 \times 0.7 = \underline{0.042}$

6) If $3 \times 8 = 24$, then $0.3 \times 0.8 = \underline{0.24}$

7) If $2 \times 6 = 12$, then $0.2 \times 0.006 = \underline{0.0012}$

8) If $6 \times 10 = 60$, then $0.006 \times 0.1 = \underline{0.0006}$

9) If $4 \times 9 = 36$, then $0.04 \times 0.009 = \underline{0.00036}$

10) If $5 \times 4 = 20$, then $0.005 \times 0.004 = \underline{0.00002}$

11) If $4 \times 3 = 12$, then $0.004 \times 0.003 = \underline{0.000012}$

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

13) If $8 \times 2 = 16$, then $0.08 \times 0.02 = \underline{0.0016}$

14) If $5 \times 4 = 20$, then $0.05 \times 0.004 = \underline{0.0002}$

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

16) If $10 \times 2 = 20$, then $0.1 \times 0.02 = \underline{0.002}$

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

18) If $6 \times 9 = 54$, then $0.6 \times 0.09 = \underline{0.054}$

19) If $9 \times 5 = 45$, then $0.9 \times 0.005 = \underline{0.0045}$

20) If $8 \times 5 = 40$, then $0.008 \times 0.5 = \underline{0.004}$

Answers1. **0.003**2. **0.003**3. **0.0056**4. **0.2**5. **0.042**6. **0.24**7. **0.0012**8. **0.0006**9. **0.00036**10. **0.00002**11. **0.000012**12. **0.0056**13. **0.0016**14. **0.0002**15. **0.048**16. **0.002**17. **0.00012**18. **0.054**19. **0.0045**20. **0.004**



Understanding Multiplying Decimals

Name: _____

Solve each problem.

1) If $10 \times 10 = 100$, then $1 \times 1 =$ _____

2) If $3 \times 8 = 24$, then $0.3 \times 0.08 =$ _____

3) If $6 \times 5 = 30$, then $0.06 \times 0.005 =$ _____

4) If $2 \times 6 = 12$, then $0.02 \times 0.6 =$ _____

5) If $6 \times 8 = 48$, then $0.6 \times 0.08 =$ _____

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

7) If $2 \times 9 = 18$, then $0.02 \times 0.9 =$ _____

8) If $7 \times 4 = 28$, then $0.07 \times 0.04 =$ _____

9) If $5 \times 6 = 30$, then $0.005 \times 0.006 =$ _____

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

11) If $6 \times 5 = 30$, then $0.06 \times 0.5 =$ _____

12) If $10 \times 9 = 90$, then $1 \times 0.009 =$ _____

13) If $3 \times 10 = 30$, then $0.003 \times 1 =$ _____

14) If $7 \times 8 = 56$, then $0.007 \times 0.8 =$ _____

15) If $6 \times 9 = 54$, then $0.6 \times 0.009 =$ _____

16) If $3 \times 9 = 27$, then $0.003 \times 0.09 =$ _____

17) If $5 \times 8 = 40$, then $0.005 \times 0.008 =$ _____

18) If $4 \times 9 = 36$, then $0.04 \times 0.009 =$ _____

19) If $6 \times 7 = 42$, then $0.6 \times 0.007 =$ _____

20) If $2 \times 5 = 10$, then $0.02 \times 0.005 =$ _____

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 $10 \times 10 = 100$, then $1 \times 1 = \underline{\hspace{1cm}}$

Answers1. **1.**

2) If $3 \times 8 = 24$, then $0.3 \times 0.08 = \underline{\hspace{1cm}}$

0.024

3) If $6 \times 5 = 30$, then $0.06 \times 0.005 = \underline{\hspace{1cm}}$

0.0003

4) If $2 \times 6 = 12$, then $0.02 \times 0.6 = \underline{\hspace{1cm}}$

0.012

5) If $6 \times 8 = 48$, then $0.6 \times 0.08 = \underline{\hspace{1cm}}$

0.048

6) If $2 \times 3 = 6$, then $0.002 \times 0.03 = \underline{\hspace{1cm}}$

0.00006

7) If $2 \times 9 = 18$, then $0.02 \times 0.9 = \underline{\hspace{1cm}}$

0.018

8) If $7 \times 4 = 28$, then $0.07 \times 0.04 = \underline{\hspace{1cm}}$

0.0028

9) If $5 \times 6 = 30$, then $0.005 \times 0.006 = \underline{\hspace{1cm}}$

0.00003

10) If $9 \times 8 = 72$, then $0.9 \times 0.8 = \underline{\hspace{1cm}}$

0.72

11) If $6 \times 5 = 30$, then $0.06 \times 0.5 = \underline{\hspace{1cm}}$

0.03

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

0.009

13) If $3 \times 10 = 30$, then $0.003 \times 1 = \underline{\hspace{1cm}}$

0.003

14) If $7 \times 8 = 56$, then $0.007 \times 0.8 = \underline{\hspace{1cm}}$

0.0056

15) If $6 \times 9 = 54$, then $0.6 \times 0.009 = \underline{\hspace{1cm}}$

0.0054

16) If $3 \times 9 = 27$, then $0.003 \times 0.09 = \underline{\hspace{1cm}}$

0.00027

17) If $5 \times 8 = 40$, then $0.005 \times 0.008 = \underline{\hspace{1cm}}$

0.00004

18) If $4 \times 9 = 36$, then $0.04 \times 0.009 = \underline{\hspace{1cm}}$

0.00036

19) If $6 \times 7 = 42$, then $0.6 \times 0.007 = \underline{\hspace{1cm}}$

0.0042

20) If $2 \times 5 = 10$, then $0.02 \times 0.005 = \underline{\hspace{1cm}}$

0.0001

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0



Understanding Multiplying Decimals

Name: _____

Solve each problem.

1) If $3 \times 4 = 12$, then $0.3 \times 0.04 =$ _____

Answers

1. _____

2) If $10 \times 9 = 90$, then $0.01 \times 0.09 =$ _____

2. _____

3) If $2 \times 5 = 10$, then $0.2 \times 0.005 =$ _____

3. _____

4) If $2 \times 7 = 14$, then $0.2 \times 0.007 =$ _____

4. _____

5) If $8 \times 3 = 24$, then $0.008 \times 0.003 =$ _____

5. _____

6) If $2 \times 9 = 18$, then $0.2 \times 0.09 =$ _____

6. _____

7) If $7 \times 7 = 49$, then $0.7 \times 0.7 =$ _____

7. _____

8) If $10 \times 9 = 90$, then $0.1 \times 0.9 =$ _____

8. _____

9) If $6 \times 8 = 48$, then $0.6 \times 0.08 =$ _____

9. _____

10) If $7 \times 9 = 63$, then $0.007 \times 0.9 =$ _____

10. _____

11) If $6 \times 8 = 48$, then $0.6 \times 0.8 =$ _____

11. _____

12) If $4 \times 5 = 20$, then $0.4 \times 0.5 =$ _____

12. _____

13) If $6 \times 4 = 24$, then $0.06 \times 0.004 =$ _____

13. _____

14) If $4 \times 4 = 16$, then $0.004 \times 0.04 =$ _____

14. _____

15) If $5 \times 6 = 30$, then $0.05 \times 0.06 =$ _____

15. _____

16) If $2 \times 4 = 8$, then $0.02 \times 0.04 =$ _____

16. _____

17) If $10 \times 7 = 70$, then $0.01 \times 0.007 =$ _____

17. _____

18) If $2 \times 10 = 20$, then $0.002 \times 1 =$ _____

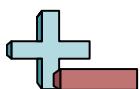
18. _____

19) If $4 \times 5 = 20$, then $0.04 \times 0.005 =$ _____

19. _____

20) If $2 \times 2 = 4$, then $0.002 \times 0.02 =$ _____

20. _____

**Solve each problem.**

1) If $3 \times 4 = 12$, then $0.3 \times 0.04 = \underline{0.012}$

Answers1. **0.012**

2) If $10 \times 9 = 90$, then $0.01 \times 0.09 = \underline{0.0009}$

2. **0.0009**

3) If $2 \times 5 = 10$, then $0.2 \times 0.005 = \underline{0.001}$

3. **0.001**

4) If $2 \times 7 = 14$, then $0.2 \times 0.007 = \underline{0.0014}$

4. **0.0014**

5) If $8 \times 3 = 24$, then $0.008 \times 0.003 = \underline{0.000024}$

5. **0.000024**

6) If $2 \times 9 = 18$, then $0.2 \times 0.09 = \underline{0.018}$

6. **0.018**

7) If $7 \times 7 = 49$, then $0.7 \times 0.7 = \underline{0.49}$

7. **0.49**

8) If $10 \times 9 = 90$, then $0.1 \times 0.9 = \underline{0.09}$

8. **0.09**

9) If $6 \times 8 = 48$, then $0.6 \times 0.08 = \underline{0.048}$

9. **0.048**

10) If $7 \times 9 = 63$, then $0.007 \times 0.9 = \underline{0.0063}$

10. **0.0063**

11) If $6 \times 8 = 48$, then $0.6 \times 0.8 = \underline{0.48}$

11. **0.48**

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

12. **0.2**

13) If $6 \times 4 = 24$, then $0.06 \times 0.004 = \underline{0.00024}$

13. **0.00024**

14) If $4 \times 4 = 16$, then $0.004 \times 0.04 = \underline{0.00016}$

14. **0.00016**

15) If $5 \times 6 = 30$, then $0.05 \times 0.06 = \underline{0.003}$

15. **0.003**

16) If $2 \times 4 = 8$, then $0.02 \times 0.04 = \underline{0.0008}$

16. **0.0008**

17) If $10 \times 7 = 70$, then $0.01 \times 0.007 = \underline{0.00007}$

17. **0.00007**

18) If $2 \times 10 = 20$, then $0.002 \times 1 = \underline{0.002}$

18. **0.002**

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

19. **0.0002**

20) If $2 \times 2 = 4$, then $0.002 \times 0.02 = \underline{0.00004}$

20. **0.00004**



Understanding Multiplying Decimals

Name: _____

Solve each problem.

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

Answers

1. _____

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

2. _____

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

3. _____

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

4. _____

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

5. _____

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

6. _____

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

7. _____

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

8. _____

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

9. _____

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

10. _____

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

11. _____

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

12. _____

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

13. _____

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

14. _____

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

15. _____

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

16. _____

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

17. _____

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

18. _____

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

19. _____

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

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 $0.8 \times 0.9 = \underline{0.72}$

0.72

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

0.00012

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

0.00056

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

0.06

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

0.005

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

0.00056

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

0.27

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

0.000054

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

0.0081

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

0.021

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

0.0028

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

0.015

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

0.0002

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

0.0018

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

0.00006

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

0.021

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

0.000054

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

0.048

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

0.018

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0



Understanding Multiplying Decimals

Name: _____

Solve each problem.

- 1) If $6 \times 7 = 42$, then $0.6 \times 0.07 =$ _____
- 2) If $4 \times 6 = 24$, then $0.04 \times 0.6 =$ _____
- 3) If $7 \times 8 = 56$, then $0.007 \times 0.008 =$ _____
- 4) If $7 \times 5 = 35$, then $0.007 \times 0.5 =$ _____
- 5) If $4 \times 4 = 16$, then $0.04 \times 0.004 =$ _____
- 6) If $9 \times 9 = 81$, then $0.09 \times 0.09 =$ _____
- 7) If $10 \times 9 = 90$, then $0.1 \times 0.9 =$ _____
- 8) If $8 \times 10 = 80$, then $0.08 \times 0.1 =$ _____
- 9) If $9 \times 3 = 27$, then $0.009 \times 0.3 =$ _____
- 10) If $4 \times 8 = 32$, then $0.004 \times 0.8 =$ _____
- 11) If $9 \times 3 = 27$, then $0.09 \times 0.3 =$ _____
- 12) If $2 \times 7 = 14$, then $0.2 \times 0.07 =$ _____
- 13) If $10 \times 2 = 20$, then $1 \times 0.2 =$ _____
- 14) If $9 \times 7 = 63$, then $0.9 \times 0.007 =$ _____
- 15) If $3 \times 6 = 18$, then $0.003 \times 0.06 =$ _____
- 16) If $5 \times 8 = 40$, then $0.005 \times 0.008 =$ _____
- 17) If $4 \times 4 = 16$, then $0.004 \times 0.004 =$ _____
- 18) If $7 \times 6 = 42$, then $0.7 \times 0.006 =$ _____
- 19) If $9 \times 6 = 54$, then $0.009 \times 0.06 =$ _____
- 20) If $2 \times 10 = 20$, then $0.002 \times 0.1 =$ _____

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 $6 \times 7 = 42$, then $0.6 \times 0.07 = \underline{0.042}$
- 2) If $4 \times 6 = 24$, then $0.04 \times 0.6 = \underline{0.024}$
- 3) If $7 \times 8 = 56$, then $0.007 \times 0.008 = \underline{0.000056}$
- 4) If $7 \times 5 = 35$, then $0.007 \times 0.5 = \underline{0.0035}$
- 5) If $4 \times 4 = 16$, then $0.04 \times 0.004 = \underline{0.00016}$
- 6) If $9 \times 9 = 81$, then $0.09 \times 0.09 = \underline{0.0081}$
- 7) If $10 \times 9 = 90$, then $0.1 \times 0.9 = \underline{0.09}$
- 8) If $8 \times 10 = 80$, then $0.08 \times 0.1 = \underline{0.008}$
- 9) If $9 \times 3 = 27$, then $0.009 \times 0.3 = \underline{0.0027}$
- 10) If $4 \times 8 = 32$, then $0.004 \times 0.8 = \underline{0.0032}$
- 11) If $9 \times 3 = 27$, then $0.09 \times 0.3 = \underline{0.027}$
- 12) If $2 \times 7 = 14$, then $0.2 \times 0.07 = \underline{0.014}$
- 13) If $10 \times 2 = 20$, then $1 \times 0.2 = \underline{0.2}$
- 14) If $9 \times 7 = 63$, then $0.9 \times 0.007 = \underline{0.0063}$
- 15) If $3 \times 6 = 18$, then $0.003 \times 0.06 = \underline{0.00018}$
- 16) If $5 \times 8 = 40$, then $0.005 \times 0.008 = \underline{0.00004}$
- 17) If $4 \times 4 = 16$, then $0.004 \times 0.004 = \underline{0.000016}$
- 18) If $7 \times 6 = 42$, then $0.7 \times 0.006 = \underline{0.0042}$
- 19) If $9 \times 6 = 54$, then $0.009 \times 0.06 = \underline{0.00054}$
- 20) If $2 \times 10 = 20$, then $0.002 \times 0.1 = \underline{0.0002}$

Answers

1. **0.042**
2. **0.024**
3. **0.000056**
4. **0.0035**
5. **0.00016**
6. **0.0081**
7. **0.09**
8. **0.008**
9. **0.0027**
10. **0.0032**
11. **0.027**
12. **0.014**
13. **0.2**
14. **0.0063**
15. **0.00018**
16. **0.00004**
17. **0.000016**
18. **0.0042**
19. **0.00054**
20. **0.0002**



Understanding Multiplying Decimals

Name: _____

Solve each problem.

1) If $2 \times 7 = 14$, then $0.002 \times 0.007 =$ _____

Answers

1. _____

2) If $9 \times 4 = 36$, then $0.009 \times 0.004 =$ _____

2. _____

3) If $7 \times 2 = 14$, then $0.007 \times 0.02 =$ _____

3. _____

4) If $9 \times 7 = 63$, then $0.009 \times 0.07 =$ _____

4. _____

5) If $4 \times 2 = 8$, then $0.4 \times 0.2 =$ _____

5. _____

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

6. _____

7) If $5 \times 9 = 45$, then $0.05 \times 0.009 =$ _____

7. _____

8) If $10 \times 2 = 20$, then $0.1 \times 0.2 =$ _____

8. _____

9) If $4 \times 10 = 40$, then $0.04 \times 0.01 =$ _____

9. _____

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

10. _____

11) If $5 \times 3 = 15$, then $0.005 \times 0.3 =$ _____

11. _____

12) If $9 \times 7 = 63$, then $0.09 \times 0.07 =$ _____

12. _____

13) If $10 \times 2 = 20$, then $1 \times 0.2 =$ _____

13. _____

14) If $9 \times 2 = 18$, then $0.09 \times 0.02 =$ _____

14. _____

15) If $4 \times 9 = 36$, then $0.004 \times 0.9 =$ _____

15. _____

16) If $6 \times 9 = 54$, then $0.6 \times 0.09 =$ _____

16. _____

17) If $6 \times 10 = 60$, then $0.06 \times 0.01 =$ _____

17. _____

18) If $5 \times 9 = 45$, then $0.5 \times 0.9 =$ _____

18. _____

19) If $5 \times 3 = 15$, then $0.05 \times 0.3 =$ _____

19. _____

20) If $3 \times 10 = 30$, then $0.003 \times 1 =$ _____

20. _____

**Solve each problem.**

1) If $2 \times 7 = 14$, then $0.002 \times 0.007 = \underline{0.000014}$

Answers1. **0.000014**

2) If $9 \times 4 = 36$, then $0.009 \times 0.004 = \underline{0.000036}$

2. **0.000036**

3) If $7 \times 2 = 14$, then $0.007 \times 0.02 = \underline{0.00014}$

3. **0.00014**

4) If $9 \times 7 = 63$, then $0.009 \times 0.07 = \underline{0.00063}$

4. **0.00063**

5) If $4 \times 2 = 8$, then $0.4 \times 0.2 = \underline{0.08}$

5. **0.08**

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

6. **0.00006**

7) If $5 \times 9 = 45$, then $0.05 \times 0.009 = \underline{0.00045}$

7. **0.00045**

8) If $10 \times 2 = 20$, then $0.1 \times 0.2 = \underline{0.02}$

8. **0.02**

9) If $4 \times 10 = 40$, then $0.04 \times 0.01 = \underline{0.0004}$

9. **0.0004**

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

10. **0.048**

11) If $5 \times 3 = 15$, then $0.005 \times 0.3 = \underline{0.0015}$

11. **0.0015**

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

12. **0.0063**

13) If $10 \times 2 = 20$, then $1 \times 0.2 = \underline{0.2}$

13. **0.2**

14) If $9 \times 2 = 18$, then $0.09 \times 0.02 = \underline{0.0018}$

14. **0.0018**

15) If $4 \times 9 = 36$, then $0.004 \times 0.9 = \underline{0.0036}$

15. **0.0036**

16) If $6 \times 9 = 54$, then $0.6 \times 0.09 = \underline{0.054}$

16. **0.054**

17) If $6 \times 10 = 60$, then $0.06 \times 0.01 = \underline{0.0006}$

17. **0.0006**

18) If $5 \times 9 = 45$, then $0.5 \times 0.9 = \underline{0.45}$

18. **0.45**

19) If $5 \times 3 = 15$, then $0.05 \times 0.3 = \underline{0.015}$

19. **0.015**

20) If $3 \times 10 = 30$, then $0.003 \times 1 = \underline{0.003}$

20. **0.003**



Understanding Multiplying Decimals

Name: _____

Solve each problem.

- 1) If $10 \times 4 = 40$, then $1 \times 0.04 =$ _____
- 2) If $2 \times 7 = 14$, then $0.002 \times 0.007 =$ _____
- 3) If $2 \times 7 = 14$, then $0.02 \times 0.007 =$ _____
- 4) If $4 \times 6 = 24$, then $0.04 \times 0.6 =$ _____
- 5) If $10 \times 5 = 50$, then $0.1 \times 0.05 =$ _____
- 6) If $2 \times 3 = 6$, then $0.2 \times 0.003 =$ _____
- 7) If $9 \times 8 = 72$, then $0.09 \times 0.008 =$ _____
- 8) If $3 \times 9 = 27$, then $0.003 \times 0.009 =$ _____
- 9) If $7 \times 10 = 70$, then $0.7 \times 0.01 =$ _____
- 10) If $8 \times 9 = 72$, then $0.08 \times 0.09 =$ _____
- 11) If $4 \times 4 = 16$, then $0.004 \times 0.4 =$ _____
- 12) If $8 \times 3 = 24$, then $0.008 \times 0.003 =$ _____
- 13) If $2 \times 7 = 14$, then $0.2 \times 0.7 =$ _____
- 14) If $10 \times 8 = 80$, then $1 \times 0.8 =$ _____
- 15) If $3 \times 9 = 27$, then $0.003 \times 0.9 =$ _____
- 16) If $9 \times 3 = 27$, then $0.09 \times 0.3 =$ _____
- 17) If $2 \times 8 = 16$, then $0.002 \times 0.08 =$ _____
- 18) If $9 \times 6 = 54$, then $0.9 \times 0.6 =$ _____
- 19) If $8 \times 5 = 40$, then $0.008 \times 0.05 =$ _____
- 20) If $3 \times 7 = 21$, then $0.3 \times 0.007 =$ _____

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 $10 \times 4 = 40$, then $1 \times 0.04 = \underline{0.04}$

Answers1. **0.04**

2) If $2 \times 7 = 14$, then $0.002 \times 0.007 = \underline{0.000014}$

2. **0.000014**

3) If $2 \times 7 = 14$, then $0.02 \times 0.007 = \underline{0.00014}$

3. **0.00014**

4) If $4 \times 6 = 24$, then $0.04 \times 0.6 = \underline{0.024}$

4. **0.024**

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

5. **0.005**

6) If $2 \times 3 = 6$, then $0.2 \times 0.003 = \underline{0.0006}$

6. **0.0006**

7) If $9 \times 8 = 72$, then $0.09 \times 0.008 = \underline{0.00072}$

7. **0.00072**

8) If $3 \times 9 = 27$, then $0.003 \times 0.009 = \underline{0.000027}$

8. **0.000027**

9) If $7 \times 10 = 70$, then $0.7 \times 0.01 = \underline{0.007}$

9. **0.007**

10) If $8 \times 9 = 72$, then $0.08 \times 0.09 = \underline{0.0072}$

10. **0.0072**

11) If $4 \times 4 = 16$, then $0.004 \times 0.4 = \underline{0.0016}$

11. **0.0016**

12) If $8 \times 3 = 24$, then $0.008 \times 0.003 = \underline{0.000024}$

12. **0.000024**

13) If $2 \times 7 = 14$, then $0.2 \times 0.7 = \underline{0.14}$

13. **0.14**

14) If $10 \times 8 = 80$, then $1 \times 0.8 = \underline{0.8}$

14. **0.8**

15) If $3 \times 9 = 27$, then $0.003 \times 0.9 = \underline{0.0027}$

15. **0.0027**

16) If $9 \times 3 = 27$, then $0.09 \times 0.3 = \underline{0.027}$

16. **0.027**

17) If $2 \times 8 = 16$, then $0.002 \times 0.08 = \underline{0.00016}$

17. **0.00016**

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

18. **0.54**

19) If $8 \times 5 = 40$, then $0.008 \times 0.05 = \underline{0.0004}$

19. **0.0004**

20) If $3 \times 7 = 21$, then $0.3 \times 0.007 = \underline{0.0021}$

20. **0.0021**