



Solve each problem.

$$5.47 \times 10^4$$

This is the same as saying:

$$5.47 \times (10 \times 10 \times 10 \times 10)$$

And because the base is 10 you can just move the decimal 4 places to the right to solve.

$$5.47 \times 10^4 = 54,700$$

5 4 7 0 0.

$$2.36 \div 10^2$$

Division is the same way. Only instead of moving the decimal right, you move it left.

You can also multiply a negative exponent, which means the same thing.

$$2.36 \times 10^{-2} = 2.36 \div 10^2$$

.0 2 3 6Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

1) $9.815 \div 10^1$

2) 361.3×10^2

3) $314.72 \div 10^3$

4) 782.49×10^3

5) $15.34 \div 10^3$

6) 598.2×10^1

7) $15.22 \div 10^3$

8) 356.5×10^4

9) $753.19 \div 10^4$

10) 183.73×10^4

11) $7.9 \div 10^2$

12) 68.9×10^1

13) $2.538 \div 10^4$

14) 15.235×10^2

15) $5.446 \div 10^1$

16) 61.78×10^3

17) $244.2 \div 10^2$

18) 439.2×10^4

19) $293.62 \div 10^1$

20) 65.72×10^4



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Answers

1. **0.9815**

2. **36,130**

3. **0.31472**

4. **782,490**

5. **0.01534**

6. **5,982**

7. **0.01522**

8. **3,565,000**

9. **0.075319**

10. **1,837,300**

11. **0.079**

12. **689**

13. **0.0002538**

14. **1,523.5**

15. **0.5446**

16. **61,780**

17. **2.442**

18. **4,392,000**

19. **29.362**

20. **657,200**