



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 6

**Answers**

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)  $361.3 \times 10^2$

3)  $314.72 \div 10^3$

4)  $782.49 \times 10^3$

5)  $15.34 \div 10^3$

6)  $598.2 \times 10^1$

7)  $15.22 \div 10^3$

8)  $356.5 \times 10^4$

9)  $753.19 \div 10^4$

10)  $183.73 \times 10^4$

11)  $7.9 \div 10^2$

12)  $68.9 \times 10^1$

13)  $2.538 \div 10^4$

14)  $15.235 \times 10^2$

15)  $5.446 \div 10^1$

16)  $61.78 \times 10^3$

17)  $244.2 \div 10^2$

18)  $439.2 \times 10^4$

19)  $293.62 \div 10^1$

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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