



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)  $52.263 \div 10^4$

2)  $5.77 \times 10^3$

3)  $15.632 \div 10^1$

4)  $76.317 \times 10^4$

5)  $385.7 \div 10^4$

6)  $94.95 \times 10^3$

7)  $2.442 \div 10^4$

8)  $185.855 \times 10^3$

9)  $85.7 \div 10^1$

10)  $88.879 \times 10^1$

11)  $5.653 \div 10^3$

12)  $6.6 \times 10^3$

13)  $319.723 \div 10^3$

14)  $7.8 \times 10^2$

15)  $7.477 \div 10^2$

16)  $7.146 \times 10^3$

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**Answers**

1. 0.0052263

2. 5,770

3. 1.5632

4. 763,170

5. 0.03857

6. 94,950

7. 0.0002442

8. 185,855

9. 8.57

10. 888.79

11. 0.005653

12. 6,600

13. 0.319723

14. 780

15. 0.07477

16. 7,146

17. 0.00265

18. 851,660

19. 0.013964

20. 51.4

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