



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.

$$5 \underline{4700}.$$

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

$$2.36 \div 10^2$$

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

$$\underline{.0236}$$

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

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

**Answers**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_
15. \_\_\_\_\_
16. \_\_\_\_\_
17. \_\_\_\_\_
18. \_\_\_\_\_
19. \_\_\_\_\_
20. \_\_\_\_\_

1)  $997.3 \div 10^4$

2)  $556.5 \times 10^3$

3)  $348.5 \div 10^4$

4)  $19.933 \times 10^1$

5)  $345.251 \div 10^3$

6)  $62.6 \times 10^4$

7)  $1.7 \div 10^3$

8)  $49.8 \times 10^3$

9)  $291.193 \div 10^3$

10)  $226.923 \times 10^3$

11)  $6.78 \div 10^2$

12)  $9.296 \times 10^1$

13)  $938.23 \div 10^4$

14)  $65.159 \times 10^1$

15)  $26.42 \div 10^4$

16)  $25.9 \times 10^4$

17)  $6.184 \div 10^4$

18)  $949.17 \times 10^2$

19)  $928.5 \div 10^4$

20)  $3.1 \times 10^1$



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**Answers**

1. 0.09973

2. 556,500

3. 0.03485

4. 199.33

5. 0.345251

6. 626,000

7. 0.0017

8. 49,800

9. 0.291193

10. 226,923

11. 0.0678

12. 92.96

13. 0.093823

14. 651.59

15. 0.002642

16. 259,000

17. 0.0006184

18. 94,917

19. 0.09285

20. 31

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