



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)  $489.22 \div 10^4$

2)  $18.995 \times 10^3$

3)  $294.32 \div 10^1$

4)  $327.498 \times 10^1$

5)  $8.72 \div 10^1$

6)  $163.761 \times 10^4$

7)  $6.41 \div 10^1$

8)  $847.5 \times 10^2$

9)  $4.56 \div 10^1$

10)  $747.3 \times 10^1$

11)  $56.99 \div 10^2$

12)  $843.12 \times 10^1$

13)  $7.15 \div 10^4$

14)  $23.745 \times 10^4$

15)  $335.668 \div 10^1$

16)  $95.81 \times 10^4$

17)  $1.7 \div 10^2$

18)  $67.296 \times 10^2$

19)  $837.892 \div 10^2$

20)  $22.411 \times 10^3$



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**Answers**

1. 0.048922
2. 18,995
3. 29.432
4. 3,274.98
5. 0.872
6. 1,637,610
7. 0.641
8. 84,750
9. 0.456
10. 7,473
11. 0.5699
12. 8,431.2
13. 0.000715
14. 237,450
15. 33.5668
16. 958,100
17. 0.017
18. 6,729.6
19. 8.37892
20. 22,411

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