



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. \_\_\_\_\_
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12. \_\_\_\_\_
13. \_\_\_\_\_
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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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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