



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)  $82.29 \div 10^4$

2)  $994.81 \times 10^3$

3)  $2.8 \div 10^3$

4)  $2.9 \times 10^1$

5)  $6.31 \div 10^2$

6)  $735.8 \times 10^1$

7)  $1.14 \div 10^4$

8)  $325.33 \times 10^2$

9)  $43.5 \div 10^3$

10)  $85.8 \times 10^2$

11)  $21.88 \div 10^2$

12)  $79.59 \times 10^4$

13)  $31.4 \div 10^3$

14)  $855.25 \times 10^4$

15)  $237.94 \div 10^1$

16)  $128.79 \times 10^4$

17)  $599.5 \div 10^4$

18)  $156.423 \times 10^4$

19)  $484.475 \div 10^1$

20)  $8.9 \times 10^3$



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. 0.008229
2. 994,810
3. 0.0028
4. 29
5. 0.0631
6. 7,358
7. 0.000114
8. 32,533
9. 0.0435
10. 8,580
11. 0.2188
12. 795,900
13. 0.0314
14. 8,552,500
15. 23.794
16. 1,287,900
17. 0.05995
18. 1,564,230
19. 48.4475
20. 8,900

- 1)  $82.29 \div 10^4$
- 2)  $994.81 \times 10^3$
- 3)  $2.8 \div 10^3$
- 4)  $2.9 \times 10^1$
- 5)  $6.31 \div 10^2$
- 6)  $735.8 \times 10^1$
- 7)  $1.14 \div 10^4$
- 8)  $325.33 \times 10^2$
- 9)  $43.5 \div 10^3$
- 10)  $85.8 \times 10^2$
- 11)  $21.88 \div 10^2$
- 12)  $79.59 \times 10^4$
- 13)  $31.4 \div 10^3$
- 14)  $855.25 \times 10^4$
- 15)  $237.94 \div 10^1$
- 16)  $128.79 \times 10^4$
- 17)  $599.5 \div 10^4$
- 18)  $156.423 \times 10^4$
- 19)  $484.475 \div 10^1$
- 20)  $8.9 \times 10^3$