



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)  $3.72 \div 10^1$

2)  $2.9 \times 10^2$

3)  $37.98 \div 10^3$

4)  $95.93 \times 10^2$

5)  $61.6 \div 10^4$

6)  $2.5 \times 10^3$

7)  $15.14 \div 10^2$

8)  $444.1 \times 10^4$

9)  $518.84 \div 10^4$

10)  $55.5 \times 10^3$

11)  $537.51 \div 10^1$

12)  $15.12 \times 10^2$

13)  $5.49 \div 10^4$

14)  $37.666 \times 10^2$

15)  $419.6 \div 10^1$

16)  $7.819 \times 10^4$

17)  $574.7 \div 10^4$

18)  $434.8 \times 10^2$

19)  $69.1 \div 10^2$

20)  $34.12 \times 10^3$



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. 0.372

2. 290

3. 0.03798

4. 9,593

5. 0.00616

6. 2,500

7. 0.1514

8. 4,441,000

9. 0.051884

10. 55,500

11. 53.751

12. 1,512

13. 0.000549

14. 3,766.6

15. 41.96

16. 78,190

17. 0.05747

18. 43,480

19. 0.691

20. 34,120

1)  $3.72 \div 10^1$

2)  $2.9 \times 10^2$

3)  $37.98 \div 10^3$

4)  $95.93 \times 10^2$

5)  $61.6 \div 10^4$

6)  $2.5 \times 10^3$

7)  $15.14 \div 10^2$

8)  $444.1 \times 10^4$

9)  $518.84 \div 10^4$

10)  $55.5 \times 10^3$

11)  $537.51 \div 10^1$

12)  $15.12 \times 10^2$

13)  $5.49 \div 10^4$

14)  $37.666 \times 10^2$

15)  $419.6 \div 10^1$

16)  $7.819 \times 10^4$

17)  $574.7 \div 10^4$

18)  $434.8 \times 10^2$

19)  $69.1 \div 10^2$

20)  $34.12 \times 10^3$