



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)  $647.13 \div 10^1$

2)  $2.614 \times 10^1$

3)  $229.455 \div 10^2$

4)  $5.6 \times 10^2$

5)  $6.414 \div 10^1$

6)  $762.4 \times 10^4$

7)  $3.5 \div 10^4$

8)  $1.617 \times 10^2$

9)  $82.1 \div 10^4$

10)  $117.94 \times 10^4$

11)  $742.43 \div 10^3$

12)  $186.9 \times 10^1$

13)  $91.326 \div 10^2$

14)  $419.42 \times 10^4$

15)  $553.88 \div 10^3$

16)  $47.66 \times 10^2$

17)  $4.53 \div 10^3$

18)  $762.319 \times 10^4$

19)  $3.586 \div 10^3$

20)  $324.2 \times 10^2$



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)  $647.13 \div 10^1$
- 2)  $2.614 \times 10^1$
- 3)  $229.455 \div 10^2$
- 4)  $5.6 \times 10^2$
- 5)  $6.414 \div 10^1$
- 6)  $762.4 \times 10^4$
- 7)  $3.5 \div 10^4$
- 8)  $1.617 \times 10^2$
- 9)  $82.1 \div 10^4$
- 10)  $117.94 \times 10^4$
- 11)  $742.43 \div 10^3$
- 12)  $186.9 \times 10^1$
- 13)  $91.326 \div 10^2$
- 14)  $419.42 \times 10^4$
- 15)  $553.88 \div 10^3$
- 16)  $47.66 \times 10^2$
- 17)  $4.53 \div 10^3$
- 18)  $762.319 \times 10^4$
- 19)  $3.586 \div 10^3$
- 20)  $324.2 \times 10^2$

- 1. 64.713
- 2. 26.14
- 3. 2.29455
- 4. 560
- 5. 0.6414
- 6. 7,624,000
- 7. 0.00035
- 8. 161.7
- 9. 0.00821
- 10. 1,179,400
- 11. 0.74243
- 12. 1,869
- 13. 0.91326
- 14. 4,194,200
- 15. 0.55388
- 16. 4,766
- 17. 0.00453
- 18. 7,623,190
- 19. 0.003586
- 20. 32,420