



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)  $6.71 \div 10^3$

2)  $98.2 \times 10^2$

3)  $14.264 \div 10^3$

4)  $876.75 \times 10^3$

5)  $579.626 \div 10^2$

6)  $423.835 \times 10^4$

7)  $66.14 \div 10^4$

8)  $98.69 \times 10^3$

9)  $2.17 \div 10^3$

10)  $9.271 \times 10^1$

11)  $751.198 \div 10^2$

12)  $3.49 \times 10^1$

13)  $663.43 \div 10^2$

14)  $1.5 \times 10^2$

15)  $437.3 \div 10^2$

16)  $7.989 \times 10^1$

17)  $1.946 \div 10^4$

18)  $4.37 \times 10^3$

19)  $34.948 \div 10^2$

20)  $145.12 \times 10^2$



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20)  $145.12 \times 10^2$

- 1. 0.00671
- 2. 9,820
- 3. 0.014264
- 4. 876,750
- 5. 5.79626
- 6. 4,238,350
- 7. 0.006614
- 8. 98,690
- 9. 0.00217
- 10. 92.71
- 11. 7.51198
- 12. 34.9
- 13. 6.6343
- 14. 150
- 15. 4.373
- 16. 79.89
- 17. 0.0001946
- 18. 4,370
- 19. 0.34948
- 20. 14,512