



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)  $7.4 \div 10^2$

2)  $83.5 \times 10^2$

3)  $125.97 \div 10^2$

4)  $86.9 \times 10^1$

5)  $2.716 \div 10^3$

6)  $837.31 \times 10^1$

7)  $9.3 \div 10^4$

8)  $91.633 \times 10^4$

9)  $919.16 \div 10^3$

10)  $435.1 \times 10^2$

11)  $42.833 \div 10^4$

12)  $731.9 \times 10^3$

13)  $4.71 \div 10^4$

14)  $3.35 \times 10^4$

15)  $328.96 \div 10^4$

16)  $698.218 \times 10^1$

17)  $59.738 \div 10^3$

18)  $48.4 \times 10^2$

19)  $2.2 \div 10^3$

20)  $6.32 \times 10^1$



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**Answers**

1. 0.074
2. 8,350
3. 1.2597
4. 869
5. 0.002716
6. 8,373.1
7. 0.00093
8. 916,330
9. 0.91916
10. 43,510
11. 0.0042833
12. 731,900
13. 0.000471
14. 33,500
15. 0.032896
16. 6,982.18
17. 0.059738
18. 4,840
19. 0.0022
20. 63.2

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