



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)  $698.218 \times 10^1$

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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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