



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)  $83.48 \div 10^1$

2)  $41.438 \times 10^3$

3)  $16.2 \div 10^4$

4)  $35.6 \times 10^2$

5)  $933.115 \div 10^3$

6)  $2.7 \times 10^3$

7)  $668.48 \div 10^2$

8)  $28.524 \times 10^2$

9)  $9.2 \div 10^2$

10)  $434.49 \times 10^1$

11)  $764.91 \div 10^1$

12)  $484.897 \times 10^4$

13)  $1.26 \div 10^4$

14)  $156.293 \times 10^2$

15)  $299.5 \div 10^4$

16)  $82.451 \times 10^3$

17)  $17.8 \div 10^4$

18)  $539.98 \times 10^2$

19)  $74.227 \div 10^2$

20)  $737.3 \times 10^4$



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.0 2 3 6

**Answers**

1. 8.348
2. 41,438
3. 0.00162
4. 3,560
5. 0.933115
6. 2,700
7. 6.6848
8. 2,852.4
9. 0.092
10. 4,344.9
11. 76.491
12. 4,848,970
13. 0.000126
14. 15,629.3
15. 0.02995
16. 82,451
17. 0.00178
18. 53,998
19. 0.74227
20. 7,373,000

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