



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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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