



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)  $13.512 \div 10^2$

2)  $466.4 \times 10^4$

3)  $866.94 \div 10^1$

4)  $14.459 \times 10^1$

5)  $291.3 \div 10^1$

6)  $1.731 \times 10^2$

7)  $1.31 \div 10^1$

8)  $2.627 \times 10^2$

9)  $725.2 \div 10^2$

10)  $641.37 \times 10^4$

11)  $849.3 \div 10^2$

12)  $5.9 \times 10^4$

13)  $288.754 \div 10^1$

14)  $171.41 \times 10^4$

15)  $812.647 \div 10^1$

16)  $1.539 \times 10^2$

17)  $4.19 \div 10^2$

18)  $8.2 \times 10^3$

19)  $4.4 \div 10^2$

20)  $639.3 \times 10^1$



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1. 0.13512

2. 4,664,000

3. 86.694

4. 144.59

5. 29.13

6. 173.1

7. 0.131

8. 262.7

9. 7.252

10. 6,413,700

11. 8.493

12. 59,000

13. 28.8754

14. 1,714,100

15. 81.2647

16. 153.9

17. 0.0419

18. 8,200

19. 0.044

20. 6,393