



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)  $24.722 \div 10^2$

2)  $92.14 \times 10^2$

3)  $8.22 \div 10^4$

4)  $8.933 \times 10^4$

5)  $9.423 \div 10^4$

6)  $82.55 \times 10^2$

7)  $712.17 \div 10^2$

8)  $9.8 \times 10^2$

9)  $78.91 \div 10^2$

10)  $738.879 \times 10^2$

11)  $834.89 \div 10^2$

12)  $85.32 \times 10^4$

13)  $28.794 \div 10^2$

14)  $387.551 \times 10^3$

15)  $8.866 \div 10^1$

16)  $54.48 \times 10^4$

17)  $7.5 \div 10^1$

18)  $142.67 \times 10^2$

19)  $275.76 \div 10^4$

20)  $7.917 \times 10^4$



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1. 0.24722
2. 9,214
3. 0.000822
4. 89,330
5. 0.0009423
6. 8,255
7. 7.1217
8. 980
9. 0.7891
10. 73,887.9
11. 8.3489
12. 853,200
13. 0.28794
14. 387,551
15. 0.8866
16. 544,800
17. 0.75
18. 14,267
19. 0.027576
20. 79,170