



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)  $647.13 \div 10^1$

2)  $2.614 \times 10^1$

3)  $229.455 \div 10^2$

4)  $5.6 \times 10^2$

5)  $6.414 \div 10^1$

6)  $762.4 \times 10^4$

7)  $3.5 \div 10^4$

8)  $1.617 \times 10^2$

9)  $82.1 \div 10^4$

10)  $117.94 \times 10^4$

11)  $742.43 \div 10^3$

12)  $186.9 \times 10^1$

13)  $91.326 \div 10^2$

14)  $419.42 \times 10^4$

15)  $553.88 \div 10^3$

16)  $47.66 \times 10^2$

17)  $4.53 \div 10^3$

18)  $762.319 \times 10^4$

19)  $3.586 \div 10^3$

20)  $324.2 \times 10^2$



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$$\underline{\underline{54700.}}$$

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$$\underline{\underline{.0236}}$$

**Answers**

1. 64.713
2. 26.14
3. 2.29455
4. 560
5. 0.6414
6. 7,624,000
7. 0.00035
8. 161.7
9. 0.00821
10. 1,179,400
11. 0.74243
12. 1,869
13. 0.91326
14. 4,194,200
15. 0.55388
16. 4,766
17. 0.00453
18. 7,623,190
19. 0.003586
20. 32,420

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