



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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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