



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)  $823.3 \div 10^2$

2)  $741.613 \times 10^4$

3)  $9.45 \div 10^1$

4)  $15.4 \times 10^1$

5)  $327.144 \div 10^3$

6)  $5.8 \times 10^4$

7)  $4.6 \div 10^1$

8)  $855.9 \times 10^1$

9)  $45.91 \div 10^4$

10)  $332.947 \times 10^4$

11)  $2.9 \div 10^3$

12)  $984.465 \times 10^3$

13)  $9.72 \div 10^1$

14)  $6.496 \times 10^1$

15)  $58.39 \div 10^4$

16)  $6.254 \times 10^2$

17)  $8.99 \div 10^3$

18)  $38.9 \times 10^1$

19)  $85.754 \div 10^2$

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1. 8.233

2. 7,416,130

3. 0.945

4. 154

5. 0.327144

6. 58,000

7. 0.46

8. 8,559

9. 0.004591

10. 3,329,470

11. 0.0029

12. 984,465

13. 0.972

14. 64.96

15. 0.005839

16. 625.4

17. 0.00899

18. 389

19. 0.85754

20. 9,192