



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)  $85.754 \div 10^2$

20)  $919.2 \times 10^1$



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**Answers**

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

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