



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)  $658.866 \div 10^3$

2)  $65.2 \times 10^4$

3)  $9.9 \div 10^1$

4)  $2.75 \times 10^1$

5)  $25.72 \div 10^4$

6)  $8.4 \times 10^4$

7)  $688.39 \div 10^2$

8)  $95.916 \times 10^2$

9)  $88.96 \div 10^2$

10)  $5.747 \times 10^2$

11)  $446.85 \div 10^1$

12)  $52.182 \times 10^1$

13)  $4.32 \div 10^4$

14)  $9.591 \times 10^2$

15)  $76.461 \div 10^3$

16)  $438.893 \times 10^1$

17)  $839.616 \div 10^4$

18)  $766.1 \times 10^2$

19)  $67.7 \div 10^1$

20)  $53.2 \times 10^3$



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**Answers**

1. 0.658866
2. 652,000
3. 0.99
4. 27.5
5. 0.002572
6. 84,000
7. 6.8839
8. 9,591.6
9. 0.8896
10. 574.7
11. 44.685
12. 521.82
13. 0.000432
14. 959.1
15. 0.076461
16. 4,388.93
17. 0.0839616
18. 76,610
19. 6.77
20. 53,200

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