



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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