



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 6Answers

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

1)  $52.263 \div 10^4$

2)  $5.77 \times 10^3$

3)  $15.632 \div 10^1$

4)  $76.317 \times 10^4$

5)  $385.7 \div 10^4$

6)  $94.95 \times 10^3$

7)  $2.442 \div 10^4$

8)  $185.855 \times 10^3$

9)  $85.7 \div 10^1$

10)  $88.879 \times 10^1$

11)  $5.653 \div 10^3$

12)  $6.6 \times 10^3$

13)  $319.723 \div 10^3$

14)  $7.8 \times 10^2$

15)  $7.477 \div 10^2$

16)  $7.146 \times 10^3$

17)  $26.5 \div 10^4$

18)  $85.166 \times 10^4$

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. 0 2 3 6

**Answers**

1. **0.0052263**

2. **5,770**

3. **1.5632**

4. **763,170**

5. **0.03857**

6. **94,950**

7. **0.0002442**

8. **185,855**

9. **8.57**

10. **888.79**

11. **0.005653**

12. **6,600**

13. **0.319723**

14. **780**

15. **0.07477**

16. **7,146**

17. **0.00265**

18. **851,660**

19. **0.013964**

20. **51.4**

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