



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.

$$5 \underline{4700}.$$

$$5.47 \times 10^4 = 54,700$$

$$2.36 \div 10^2$$

Division is the same way. Only instead of moving the decimal right, you move it left.

$$\underline{.0236}$$

You can also multiply a negative exponent, which means the same thing.

$$2.36 \times 10^{-2} = 2.36 \div 10^2$$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

1) $57.43 \div 10^1$

2) 122.1×10^1

3) $773.77 \div 10^4$

4) 3.67×10^1

5) $1.2 \div 10^4$

6) 74.9×10^3

7) $8.8 \div 10^1$

8) 74.219×10^1

9) $9.432 \div 10^2$

10) 8.54×10^1

11) $58.7 \div 10^1$

12) 94.742×10^4

13) $2.2 \div 10^1$

14) 2.94×10^3

15) $41.394 \div 10^4$

16) 748.125×10^3

17) $3.313 \div 10^1$

18) 16.196×10^2

19) $128.1 \div 10^2$

20) 955.58×10^3



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Answers

1. **5.743**

2. **1,221**

3. **0.077377**

4. **36.7**

5. **0.00012**

6. **74,900**

7. **0.88**

8. **742.19**

9. **0.09432**

10. **85.4**

11. **5.87**

12. **947,420**

13. **0.22**

14. **2,940**

15. **0.0041394**

16. **748,125**

17. **0.3313**

18. **1,619.6**

19. **1.281**

20. **955,580**

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