



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) $743.5 \div 10^4$

2) 181.5×10^4

3) $22.1 \div 10^4$

4) 34.77×10^3

5) $1.3 \div 10^4$

6) 975.17×10^2

7) $569.967 \div 10^4$

8) 185.177×10^2

9) $595.9 \div 10^3$

10) 94.586×10^1

11) $18.63 \div 10^2$

12) 54.6×10^3

13) $572.33 \div 10^3$

14) 955.5×10^4

15) $155.9 \div 10^1$

16) 722.8×10^4

17) $858.1 \div 10^1$

18) 3.72×10^1

19) $32.14 \div 10^2$

20) 75.917×10^1



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1. **0.07435**

2. **1,815,000**

3. **0.00221**

4. **34,770**

5. **0.00013**

6. **97,517**

7. **0.0569967**

8. **18,517.7**

9. **0.5959**

10. **945.86**

11. **0.1863**

12. **54,600**

13. **0.57233**

14. **9,555,000**

15. **15.59**

16. **7,228,000**

17. **85.81**

18. **37.2**

19. **0.3214**

20. **759.17**