



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) $9.815 \div 10^1$

2) 361.3×10^2

3) $314.72 \div 10^3$

4) 782.49×10^3

5) $15.34 \div 10^3$

6) 598.2×10^1

7) $15.22 \div 10^3$

8) 356.5×10^4

9) $753.19 \div 10^4$

10) 183.73×10^4

11) $7.9 \div 10^2$

12) 68.9×10^1

13) $2.538 \div 10^4$

14) 15.235×10^2

15) $5.446 \div 10^1$

16) 61.78×10^3

17) $244.2 \div 10^2$

18) 439.2×10^4

19) $293.62 \div 10^1$

20) 65.72×10^4



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1. 0.9815

2. 36,130

3. 0.31472

4. 782,490

5. 0.01534

6. 5,982

7. 0.01522

8. 3,565,000

9. 0.075319

10. 1,837,300

11. 0.079

12. 689

13. 0.0002538

14. 1,523.5

15. 0.5446

16. 61,780

17. 2.442

18. 4,392,000

19. 29.362

20. 657,200