



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) $77.73 \div 10^4$

2) 2.374×10^1

3) $43.12 \div 10^2$

4) 356.86×10^2

5) $86.5 \div 10^2$

6) 311.596×10^3

7) $1.97 \div 10^3$

8) 551.89×10^3

9) $22.4 \div 10^3$

10) 4.657×10^4

11) $186.8 \div 10^4$

12) 99.7×10^1

13) $17.66 \div 10^4$

14) 948.995×10^2

15) $15.9 \div 10^4$

16) 2.8×10^4

17) $3.125 \div 10^4$

18) 8.93×10^3

19) $286.9 \div 10^1$

20) 844.267×10^4



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Answers

1. 0.007773

2. 23.74

3. 0.4312

4. 35,686

5. 0.865

6. 311,596

7. 0.00197

8. 551,890

9. 0.0224

10. 46,570

11. 0.01868

12. 997

13. 0.001766

14. 94,899.5

15. 0.00159

16. 28,000

17. 0.0003125

18. 8,930

19. 28.69

20. 8,442,670

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