



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) $3.96 \div 10^3$

2) 199.792×10^1

3) $599.758 \div 10^3$

4) 5.37×10^1

5) $35.4 \div 10^2$

6) 77.491×10^1

7) $299.69 \div 10^2$

8) 3.6×10^2

9) $5.24 \div 10^1$

10) 648.525×10^2

11) $31.115 \div 10^1$

12) 8.24×10^4

13) $312.5 \div 10^4$

14) 27.11×10^1

15) $91.5 \div 10^1$

16) 6.189×10^1

17) $61.424 \div 10^3$

18) 54.329×10^2

19) $772.19 \div 10^3$

20) 35.392×10^4



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Answers

1. 0.00396

2. 1,997.92

3. 0.599758

4. 53.7

5. 0.354

6. 774.91

7. 2.9969

8. 360

9. 0.524

10. 64,852.5

11. 3.1115

12. 82,400

13. 0.03125

14. 271.1

15. 9.15

16. 61.89

17. 0.061424

18. 5,432.9

19. 0.77219

20. 353,920

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