



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) $12.5 \div 10^4$

2) 2.252×10^1

3) $8.93 \div 10^1$

4) 52.8×10^3

5) $6.26 \div 10^1$

6) 699.87×10^2

7) $3.849 \div 10^2$

8) 263.732×10^4

9) $88.381 \div 10^3$

10) 341.861×10^2

11) $377.36 \div 10^2$

12) 2.29×10^3

13) $34.25 \div 10^1$

14) 87.1×10^3

15) $29.24 \div 10^2$

16) 66.374×10^1

17) $972.91 \div 10^4$

18) 6.828×10^2

19) $1.6 \div 10^2$

20) 531.24×10^4



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Answers

1. 0.00125

2. 22.52

3. 0.893

4. 52,800

5. 0.626

6. 69,987

7. 0.03849

8. 2,637,320

9. 0.088381

10. 34,186.1

11. 3.7736

12. 2,290

13. 3.425

14. 87,100

15. 0.2924

16. 663.74

17. 0.097291

18. 682.8

19. 0.016

20. 5,312,400

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