



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) $83.48 \div 10^1$

2) 41.438×10^3

3) $16.2 \div 10^4$

4) 35.6×10^2

5) $933.115 \div 10^3$

6) 2.7×10^3

7) $668.48 \div 10^2$

8) 28.524×10^2

9) $9.2 \div 10^2$

10) 434.49×10^1

11) $764.91 \div 10^1$

12) 484.897×10^4

13) $1.26 \div 10^4$

14) 156.293×10^2

15) $299.5 \div 10^4$

16) 82.451×10^3

17) $17.8 \div 10^4$

18) 539.98×10^2

19) $74.227 \div 10^2$

20) 737.3×10^4



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. 0 2 3 6

Answers

1. **8.348**
2. **41,438**
3. **0.00162**
4. **3,560**
5. **0.933115**
6. **2,700**
7. **6.6848**
8. **2,852.4**
9. **0.092**
10. **4,344.9**
11. **76.491**
12. **4,848,970**
13. **0.000126**
14. **15,629.3**
15. **0.02995**
16. **82,451**
17. **0.00178**
18. **53,998**
19. **0.74227**
20. **7,373,000**

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