



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)  $8.416 \div 10^3$

2)  $45.7 \times 10^2$

3)  $4.38 \div 10^3$

4)  $19.32 \times 10^1$

5)  $4.7 \div 10^2$

6)  $42.88 \times 10^3$

7)  $7.3 \div 10^3$

8)  $4.67 \times 10^1$

9)  $1.5 \div 10^3$

10)  $43.449 \times 10^3$

11)  $726.191 \div 10^2$

12)  $37.7 \times 10^2$

13)  $6.399 \div 10^3$

14)  $146.4 \times 10^1$

15)  $75.54 \div 10^2$

16)  $5.989 \times 10^2$

17)  $4.621 \div 10^3$

18)  $58.858 \times 10^1$

19)  $5.7 \div 10^4$

20)  $74.348 \times 10^1$



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**Answers**

1. 0.008416
2. 4,570
3. 0.00438
4. 193.2
5. 0.047
6. 42,880
7. 0.0073
8. 46.7
9. 0.0015
10. 43,449
11. 7.26191
12. 3,770
13. 0.006399
14. 1,464
15. 0.7554
16. 598.9
17. 0.004621
18. 588.58
19. 0.00057
20. 743.48

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