



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)  $61.42 \div 10^2$

2)  $56.184 \times 10^4$

3)  $464.84 \div 10^4$

4)  $673.892 \times 10^1$

5)  $9.68 \div 10^3$

6)  $163.92 \times 10^1$

7)  $99.911 \div 10^1$

8)  $642.7 \times 10^3$

9)  $15.595 \div 10^4$

10)  $36.959 \times 10^4$

11)  $8.673 \div 10^2$

12)  $267.7 \times 10^1$

13)  $743.3 \div 10^2$

14)  $71.23 \times 10^1$

15)  $7.65 \div 10^2$

16)  $5.71 \times 10^1$

17)  $87.66 \div 10^2$

18)  $5.61 \times 10^3$

19)  $92.372 \div 10^2$

20)  $4.2 \times 10^3$



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. 0.6142
2. 561,840
3. 0.046484
4. 6,738.92
5. 0.00968
6. 1,639.2
7. 9.9911
8. 642,700
9. 0.0015595
10. 369,590
11. 0.08673
12. 2,677
13. 7.433
14. 712.3
15. 0.0765
16. 57.1
17. 0.8766
18. 5,610
19. 0.92372
20. 4,200

- 1)  $61.42 \div 10^2$
- 2)  $56.184 \times 10^4$
- 3)  $464.84 \div 10^4$
- 4)  $673.892 \times 10^1$
- 5)  $9.68 \div 10^3$
- 6)  $163.92 \times 10^1$
- 7)  $99.911 \div 10^1$
- 8)  $642.7 \times 10^3$
- 9)  $15.595 \div 10^4$
- 10)  $36.959 \times 10^4$
- 11)  $8.673 \div 10^2$
- 12)  $267.7 \times 10^1$
- 13)  $743.3 \div 10^2$
- 14)  $71.23 \times 10^1$
- 15)  $7.65 \div 10^2$
- 16)  $5.71 \times 10^1$
- 17)  $87.66 \div 10^2$
- 18)  $5.61 \times 10^3$
- 19)  $92.372 \div 10^2$
- 20)  $4.2 \times 10^3$