



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)  $5.3 \div 10^2$

2)  $44.88 \times 10^1$

3)  $1.59 \div 10^1$

4)  $2.572 \times 10^3$

5)  $4.35 \div 10^4$

6)  $49.6 \times 10^2$

7)  $4.42 \div 10^2$

8)  $99.93 \times 10^4$

9)  $773.645 \div 10^2$

10)  $4.324 \times 10^4$

11)  $673.4 \div 10^1$

12)  $7.297 \times 10^1$

13)  $547.46 \div 10^1$

14)  $7.231 \times 10^3$

15)  $442.167 \div 10^4$

16)  $16.69 \times 10^2$

17)  $5.73 \div 10^1$

18)  $782.9 \times 10^3$

19)  $86.43 \div 10^2$

20)  $8.5 \times 10^4$



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**Answers**

- |                         |                         |                      |
|-------------------------|-------------------------|----------------------|
| 1) $5.3 \div 10^2$      | 2) $44.88 \times 10^1$  | 1. <u>0.053</u>      |
| 3) $1.59 \div 10^1$     | 4) $2.572 \times 10^3$  | 2. <u>448.8</u>      |
| 5) $4.35 \div 10^4$     | 6) $49.6 \times 10^2$   | 3. <u>0.159</u>      |
| 7) $4.42 \div 10^2$     | 8) $99.93 \times 10^4$  | 4. <u>2,572</u>      |
| 9) $773.645 \div 10^2$  | 10) $4.324 \times 10^4$ | 5. <u>0.000435</u>   |
| 11) $673.4 \div 10^1$   | 12) $7.297 \times 10^1$ | 6. <u>4,960</u>      |
| 13) $547.46 \div 10^1$  | 14) $7.231 \times 10^3$ | 7. <u>0.0442</u>     |
| 15) $442.167 \div 10^4$ | 16) $16.69 \times 10^2$ | 8. <u>999,300</u>    |
| 17) $5.73 \div 10^1$    | 18) $782.9 \times 10^3$ | 9. <u>7.73645</u>    |
| 19) $86.43 \div 10^2$   | 20) $8.5 \times 10^4$   | 10. <u>43,240</u>    |
|                         |                         | 11. <u>67.34</u>     |
|                         |                         | 12. <u>72.97</u>     |
|                         |                         | 13. <u>54.746</u>    |
|                         |                         | 14. <u>7,231</u>     |
|                         |                         | 15. <u>0.0442167</u> |
|                         |                         | 16. <u>1,669</u>     |
|                         |                         | 17. <u>0.573</u>     |
|                         |                         | 18. <u>782,900</u>   |
|                         |                         | 19. <u>0.8643</u>    |
|                         |                         | 20. <u>85,000</u>    |