



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) $6.134 \div 10^2$

2) 94.252×10^2

3) $829.1 \div 10^2$

4) 7.246×10^2

5) $5.685 \div 10^3$

6) 93.364×10^2

7) $966.254 \div 10^1$

8) 94.5×10^1

9) $6.4 \div 10^1$

10) 696.38×10^2

11) $186.42 \div 10^4$

12) 39.5×10^1

13) $7.844 \div 10^4$

14) 38.151×10^4

15) $1.281 \div 10^2$

16) 62.85×10^4

17) $2.98 \div 10^4$

18) 971.7×10^2

19) $67.14 \div 10^1$

20) 63.21×10^1



Solve each problem.

<p style="text-align: center;">5.47×10^4</p> <p>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.</p> <p style="text-align: center;"><u>5 4 7 0 0.</u></p> <p style="text-align: center;">$5.47 \times 10^4 = 54,700$</p>	<p style="text-align: center;">$2.36 \div 10^2$</p> <p>Division is the same way. Only instead of moving the decimal right, you move it left.</p> <p style="text-align: center;"><u>.0 2 3 6</u></p> <p>You can also multiply a negative exponent, which means the same thing.</p> <p style="text-align: center;">$2.36 \times 10^{-2} = 2.36 \div 10^2$</p>
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Answers

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|--|---|--|
| <p>1) $6.134 \div 10^2$</p> <p>3) $829.1 \div 10^2$</p> <p>5) $5.685 \div 10^3$</p> <p>7) $966.254 \div 10^1$</p> <p>9) $6.4 \div 10^1$</p> <p>11) $186.42 \div 10^4$</p> <p>13) $7.844 \div 10^4$</p> <p>15) $1.281 \div 10^2$</p> <p>17) $2.98 \div 10^4$</p> <p>19) $67.14 \div 10^1$</p> | <p>2) 94.252×10^2</p> <p>4) 7.246×10^2</p> <p>6) 93.364×10^2</p> <p>8) 94.5×10^1</p> <p>10) 696.38×10^2</p> <p>12) 39.5×10^1</p> <p>14) 38.151×10^4</p> <p>16) 62.85×10^4</p> <p>18) 971.7×10^2</p> <p>20) 63.21×10^1</p> | <p>1. <u>0.06134</u></p> <p>2. <u>9,425.2</u></p> <p>3. <u>8.291</u></p> <p>4. <u>724.6</u></p> <p>5. <u>0.005685</u></p> <p>6. <u>9,336.4</u></p> <p>7. <u>96.6254</u></p> <p>8. <u>945</u></p> <p>9. <u>0.64</u></p> <p>10. <u>69,638</u></p> <p>11. <u>0.018642</u></p> <p>12. <u>395</u></p> <p>13. <u>0.0007844</u></p> <p>14. <u>381,510</u></p> <p>15. <u>0.01281</u></p> <p>16. <u>628,500</u></p> <p>17. <u>0.000298</u></p> <p>18. <u>97,170</u></p> <p>19. <u>6.714</u></p> <p>20. <u>632.1</u></p> |
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