



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) $3.665 \div 10^3$

2) 327.18×10^3

3) $89.2 \div 10^4$

4) 35.8×10^4

5) $78.721 \div 10^1$

6) 651.599×10^4

7) $73.44 \div 10^3$

8) 2.35×10^4

9) $14.9 \div 10^3$

10) 5.96×10^1

11) $83.3 \div 10^3$

12) 964.998×10^3

13) $56.489 \div 10^1$

14) 634.51×10^4

15) $283.52 \div 10^1$

16) 5.45×10^1

17) $41.4 \div 10^2$

18) 72.4×10^3

19) $1.279 \div 10^3$

20) 863.687×10^4



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

- | | | |
|---|--|---|
| <p>1) $3.665 \div 10^3$</p> <p>3) $89.2 \div 10^4$</p> <p>5) $78.721 \div 10^1$</p> <p>7) $73.44 \div 10^3$</p> <p>9) $14.9 \div 10^3$</p> <p>11) $83.3 \div 10^3$</p> <p>13) $56.489 \div 10^1$</p> <p>15) $283.52 \div 10^1$</p> <p>17) $41.4 \div 10^2$</p> <p>19) $1.279 \div 10^3$</p> | <p>2) 327.18×10^3</p> <p>4) 35.8×10^4</p> <p>6) 651.599×10^4</p> <p>8) 2.35×10^4</p> <p>10) 5.96×10^1</p> <p>12) 964.998×10^3</p> <p>14) 634.51×10^4</p> <p>16) 5.45×10^1</p> <p>18) 72.4×10^3</p> <p>20) 863.687×10^4</p> | <p>1. <u>0.003665</u></p> <p>2. <u>327,180</u></p> <p>3. <u>0.00892</u></p> <p>4. <u>358,000</u></p> <p>5. <u>7.8721</u></p> <p>6. <u>6,515,990</u></p> <p>7. <u>0.07344</u></p> <p>8. <u>23,500</u></p> <p>9. <u>0.0149</u></p> <p>10. <u>59.6</u></p> <p>11. <u>0.0833</u></p> <p>12. <u>964,998</u></p> <p>13. <u>5.6489</u></p> <p>14. <u>6,345,100</u></p> <p>15. <u>28.352</u></p> <p>16. <u>54.5</u></p> <p>17. <u>0.414</u></p> <p>18. <u>72,400</u></p> <p>19. <u>0.001279</u></p> <p>20. <u>8,636,870</u></p> |
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