



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. \_\_\_\_\_
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18. \_\_\_\_\_
19. \_\_\_\_\_
20. \_\_\_\_\_

1)  $489.22 \div 10^4$

2)  $18.995 \times 10^3$

3)  $294.32 \div 10^1$

4)  $327.498 \times 10^1$

5)  $8.72 \div 10^1$

6)  $163.761 \times 10^4$

7)  $6.41 \div 10^1$

8)  $847.5 \times 10^2$

9)  $4.56 \div 10^1$

10)  $747.3 \times 10^1$

11)  $56.99 \div 10^2$

12)  $843.12 \times 10^1$

13)  $7.15 \div 10^4$

14)  $23.745 \times 10^4$

15)  $335.668 \div 10^1$

16)  $95.81 \times 10^4$

17)  $1.7 \div 10^2$

18)  $67.296 \times 10^2$

19)  $837.892 \div 10^2$

20)  $22.411 \times 10^3$



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19)  $837.892 \div 10^2$

20)  $22.411 \times 10^3$

- 1. 0.048922
- 2. 18,995
- 3. 29.432
- 4. 3,274.98
- 5. 0.872
- 6. 1,637,610
- 7. 0.641
- 8. 84,750
- 9. 0.456
- 10. 7,473
- 11. 0.5699
- 12. 8,431.2
- 13. 0.000715
- 14. 237,450
- 15. 33.5668
- 16. 958,100
- 17. 0.017
- 18. 6,729.6
- 19. 8.37892
- 20. 22,411



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16. \_\_\_\_\_
17. \_\_\_\_\_
18. \_\_\_\_\_
19. \_\_\_\_\_
20. \_\_\_\_\_

1)  $9.815 \div 10^1$

2)  $361.3 \times 10^2$

3)  $314.72 \div 10^3$

4)  $782.49 \times 10^3$

5)  $15.34 \div 10^3$

6)  $598.2 \times 10^1$

7)  $15.22 \div 10^3$

8)  $356.5 \times 10^4$

9)  $753.19 \div 10^4$

10)  $183.73 \times 10^4$

11)  $7.9 \div 10^2$

12)  $68.9 \times 10^1$

13)  $2.538 \div 10^4$

14)  $15.235 \times 10^2$

15)  $5.446 \div 10^1$

16)  $61.78 \times 10^3$

17)  $244.2 \div 10^2$

18)  $439.2 \times 10^4$

19)  $293.62 \div 10^1$

20)  $65.72 \times 10^4$



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20)  $65.72 \times 10^4$

1. 0.9815
2. 36,130
3. 0.31472
4. 782,490
5. 0.01534
6. 5,982
7. 0.01522
8. 3,565,000
9. 0.075319
10. 1,837,300
11. 0.079
12. 689
13. 0.0002538
14. 1,523.5
15. 0.5446
16. 61,780
17. 2.442
18. 4,392,000
19. 29.362
20. 657,200


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18. \_\_\_\_\_
19. \_\_\_\_\_
20. \_\_\_\_\_

1)  $658.866 \div 10^3$

2)  $65.2 \times 10^4$

3)  $9.9 \div 10^1$

4)  $2.75 \times 10^1$

5)  $25.72 \div 10^4$

6)  $8.4 \times 10^4$

7)  $688.39 \div 10^2$

8)  $95.916 \times 10^2$

9)  $88.96 \div 10^2$

10)  $5.747 \times 10^2$

11)  $446.85 \div 10^1$

12)  $52.182 \times 10^1$

13)  $4.32 \div 10^4$

14)  $9.591 \times 10^2$

15)  $76.461 \div 10^3$

16)  $438.893 \times 10^1$

17)  $839.616 \div 10^4$

18)  $766.1 \times 10^2$

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**Answers**

1. 0.658866
2. 652,000
3. 0.99
4. 27.5
5. 0.002572
6. 84,000
7. 6.8839
8. 9,591.6
9. 0.8896
10. 574.7
11. 44.685
12. 521.82
13. 0.000432
14. 959.1
15. 0.076461
16. 4,388.93
17. 0.0839616
18. 76,610
19. 6.77
20. 53,200

- 1)  $658.866 \div 10^3$
- 2)  $65.2 \times 10^4$
- 3)  $9.9 \div 10^1$
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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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18)  $58.858 \times 10^1$

19)  $5.7 \div 10^4$

20)  $74.348 \times 10^1$

- 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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1)  $823.3 \div 10^2$

2)  $741.613 \times 10^4$

3)  $9.45 \div 10^1$

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5)  $327.144 \div 10^3$

6)  $5.8 \times 10^4$

7)  $4.6 \div 10^1$

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13)  $9.72 \div 10^1$

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**Answers**

1. 8.233

2. 7,416,130

3. 0.945

4. 154

5. 0.327144

6. 58,000

7. 0.46

8. 8,559

9. 0.004591

10. 3,329,470

11. 0.0029

12. 984,465

13. 0.972

14. 64.96

15. 0.005839

16. 625.4

17. 0.00899

18. 389

19. 0.85754

20. 9,192

1)  $823.3 \div 10^2$

2)  $741.613 \times 10^4$

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1)  $6.71 \div 10^3$

2)  $98.2 \times 10^2$

3)  $14.264 \div 10^3$

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5)  $579.626 \div 10^2$

6)  $423.835 \times 10^4$

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20)  $145.12 \times 10^2$

- 1. 0.00671
- 2. 9,820
- 3. 0.014264
- 4. 876,750
- 5. 5.79626
- 6. 4,238,350
- 7. 0.006614
- 8. 98,690
- 9. 0.00217
- 10. 92.71
- 11. 7.51198
- 12. 34.9
- 13. 6.6343
- 14. 150
- 15. 4.373
- 16. 79.89
- 17. 0.0001946
- 18. 4,370
- 19. 0.34948
- 20. 14,512



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.0 2 3 6

## Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
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18. \_\_\_\_\_
19. \_\_\_\_\_
20. \_\_\_\_\_

1)  $52.263 \div 10^4$

2)  $5.77 \times 10^3$

3)  $15.632 \div 10^1$

4)  $76.317 \times 10^4$

5)  $385.7 \div 10^4$

6)  $94.95 \times 10^3$

7)  $2.442 \div 10^4$

8)  $185.855 \times 10^3$

9)  $85.7 \div 10^1$

10)  $88.879 \times 10^1$

11)  $5.653 \div 10^3$

12)  $6.6 \times 10^3$

13)  $319.723 \div 10^3$

14)  $7.8 \times 10^2$

15)  $7.477 \div 10^2$

16)  $7.146 \times 10^3$

17)  $26.5 \div 10^4$

18)  $85.166 \times 10^4$

19)  $139.64 \div 10^4$

20)  $5.14 \times 10^1$



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**

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2)  $5.77 \times 10^3$

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17)  $26.5 \div 10^4$

18)  $85.166 \times 10^4$

19)  $139.64 \div 10^4$

20)  $5.14 \times 10^1$

1. 0.0052263

2. 5,770

3. 1.5632

4. 763,170

5. 0.03857

6. 94,950

7. 0.0002442

8. 185,855

9. 8.57

10. 888.79

11. 0.005653

12. 6,600

13. 0.319723

14. 780

15. 0.07477

16. 7,146

17. 0.00265

18. 851,660

19. 0.013964

20. 51.4


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## Answers

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16. \_\_\_\_\_
17. \_\_\_\_\_
18. \_\_\_\_\_
19. \_\_\_\_\_
20. \_\_\_\_\_

1)  $647.13 \div 10^1$

2)  $2.614 \times 10^1$

3)  $229.455 \div 10^2$

4)  $5.6 \times 10^2$

5)  $6.414 \div 10^1$

6)  $762.4 \times 10^4$

7)  $3.5 \div 10^4$

8)  $1.617 \times 10^2$

9)  $82.1 \div 10^4$

10)  $117.94 \times 10^4$

11)  $742.43 \div 10^3$

12)  $186.9 \times 10^1$

13)  $91.326 \div 10^2$

14)  $419.42 \times 10^4$

15)  $553.88 \div 10^3$

16)  $47.66 \times 10^2$

17)  $4.53 \div 10^3$

18)  $762.319 \times 10^4$

19)  $3.586 \div 10^3$

20)  $324.2 \times 10^2$



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$$\underline{\underline{54700.}}$$

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$$2.36 \times 10^{-2} = 2.36 \div 10^2$$

$$\underline{\underline{.0236}}$$

**Answers**

1. 64.713
2. 26.14
3. 2.29455
4. 560
5. 0.6414
6. 7,624,000
7. 0.00035
8. 161.7
9. 0.00821
10. 1,179,400
11. 0.74243
12. 1,869
13. 0.91326
14. 4,194,200
15. 0.55388
16. 4,766
17. 0.00453
18. 7,623,190
19. 0.003586
20. 32,420

1)  $647.13 \div 10^1$

2)  $2.614 \times 10^1$

3)  $229.455 \div 10^2$

4)  $5.6 \times 10^2$

5)  $6.414 \div 10^1$

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$$2.36 \times 10^{-2} = 2.36 \div 10^2$$

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**Answers**

1. \_\_\_\_\_
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16. \_\_\_\_\_
17. \_\_\_\_\_
18. \_\_\_\_\_
19. \_\_\_\_\_
20. \_\_\_\_\_

1)  $7.4 \div 10^2$

2)  $83.5 \times 10^2$

3)  $125.97 \div 10^2$

4)  $86.9 \times 10^1$

5)  $2.716 \div 10^3$

6)  $837.31 \times 10^1$

7)  $9.3 \div 10^4$

8)  $91.633 \times 10^4$

9)  $919.16 \div 10^3$

10)  $435.1 \times 10^2$

11)  $42.833 \div 10^4$

12)  $731.9 \times 10^3$

13)  $4.71 \div 10^4$

14)  $3.35 \times 10^4$

15)  $328.96 \div 10^4$

16)  $698.218 \times 10^1$

17)  $59.738 \div 10^3$

18)  $48.4 \times 10^2$

19)  $2.2 \div 10^3$

20)  $6.32 \times 10^1$



Solve each problem.

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$$2.36 \times 10^{-2} = 2.36 \div 10^2$$

.0 2 3 6

**Answers**

1. 0.074
2. 8,350
3. 1.2597
4. 869
5. 0.002716
6. 8,373.1
7. 0.00093
8. 916,330
9. 0.91916
10. 43,510
11. 0.0042833
12. 731,900
13. 0.000471
14. 33,500
15. 0.032896
16. 6,982.18
17. 0.059738
18. 4,840
19. 0.0022
20. 63.2

- 1)  $7.4 \div 10^2$
- 2)  $83.5 \times 10^2$
- 3)  $125.97 \div 10^2$
- 4)  $86.9 \times 10^1$
- 5)  $2.716 \div 10^3$
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## Answers

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19. \_\_\_\_\_
20. \_\_\_\_\_

1)  $83.48 \div 10^1$

2)  $41.438 \times 10^3$

3)  $16.2 \div 10^4$

4)  $35.6 \times 10^2$

5)  $933.115 \div 10^3$

6)  $2.7 \times 10^3$

7)  $668.48 \div 10^2$

8)  $28.524 \times 10^2$

9)  $9.2 \div 10^2$

10)  $434.49 \times 10^1$

11)  $764.91 \div 10^1$

12)  $484.897 \times 10^4$

13)  $1.26 \div 10^4$

14)  $156.293 \times 10^2$

15)  $299.5 \div 10^4$

16)  $82.451 \times 10^3$

17)  $17.8 \div 10^4$

18)  $539.98 \times 10^2$

19)  $74.227 \div 10^2$

20)  $737.3 \times 10^4$



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**Answers**

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17)  $17.8 \div 10^4$

18)  $539.98 \times 10^2$

19)  $74.227 \div 10^2$

20)  $737.3 \times 10^4$

1. 8.348
2. 41,438
3. 0.00162
4. 3,560
5. 0.933115
6. 2,700
7. 6.6848
8. 2,852.4
9. 0.092
10. 4,344.9
11. 76.491
12. 4,848,970
13. 0.000126
14. 15,629.3
15. 0.02995
16. 82,451
17. 0.00178
18. 53,998
19. 0.74227
20. 7,373,000