

Multiplying and Dividing Powers of Ten

Name: _____

Solve each problem.

5.47×10^4

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

1) $91.13 \div 10^4$

2) 749.263×10^4

3) $23.8 \div 10^3$

4) 445.78×10^4

5) $311.722 \div 10^3$

6) 63.76×10^3

7) $78.65 \div 10^4$

8) 661.3×10^3

9) $66.39 \div 10^4$

10) 397.257×10^1

11) $778.96 \div 10^2$

12) 4.2×10^2

13) $7.26 \div 10^2$

14) 333.427×10^2

15) $81.496 \div 10^4$

16) 34.879×10^4

17) $93.535 \div 10^2$

18) 3.813×10^4

19) $619.63 \div 10^4$

20) 7.5×10^4

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

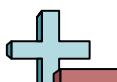
16. _____

17. _____

18. _____

19. _____

20. _____



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Name: **Answer Key**

Solve each problem.

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19) $619.63 \div 10^4$

20) 7.5×10^4

Answers

1. **0.009113**

2. **7,492,630**

3. **0.0238**

4. **4,457,800**

5. **0.311722**

6. **63,760**

7. **0.007865**

8. **661,300**

9. **0.006639**

10. **3,972.57**

11. **7.7896**

12. **420**

13. **0.0726**

14. **33,342.7**

15. **0.0081496**

16. **348,790**

17. **0.93535**

18. **38,130**

19. **0.061963**

20. **75,000**

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0