

Name: _____ Date: _____ Score: _____ V73

Multiplying and Dividing base 10 terms

10^2	X	10^1	10^3	X	10^1	10^3	X	10^2
10^{-2}	X	10^1	10^{-3}	X	10^1	10^{-3}	X	10^2
10^{-3}	X	10^4	10^{-2}	X	10^4	10^{-2}	X	10^5
10^{-2}	X	10^{-1}	10^{-2}	X	10^{-3}	10^{-3}	X	10^{-1}
10^2			10^3			10^5		
10^1			10^1			10^2		
10^2			10^3			10^4		
10^{-1}			10^{-2}			10^{-1}		
10^{-2}			10^{-3}			10^{-4}		
10^{-1}			10^{-1}			10^{-2}		
10^{-2}			10^{-3}			10^{-4}		
10^{-4}			10^{-4}			10^{-6}		

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Multiplying and Dividing base 10 terms

10^2	10^2	10^{-1}	10^3	10^3	10^{-1}	10^2	10^2	10^3
10^2	10^{-2}	10^{-1}	10^3	10^{-3}	10^{-1}	10^2	10^{-2}	10^{-3}
10^5	10^3	10^{-1}	10^6	10^4	10^2	10^5	10^3	10^{-2}
10^{-5}	10^3	10^{-1}	10^{-6}	10^4	10^{-2}	10^{-5}	10^3	10^{-2}
10^3	10^2		10^4	10^3		10^3	10^2	
10^1			10^1			10^1		
10^2			10^2			10^2		
10^3	10^1		10^4	10^1		10^3	10^1	
10^3	10^{-2}		10^3	10^{-2}		10^4	10^{-3}	
10^{-1}			10^{-3}			10^{-2}		
10^2			10^3			10^5		
10^{-3}	10^1		10^{-4}	10^1		10^{-2}	10^{-1}	

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Converting Scientific Notation to and from Decimals

2 7 2 . 3	5 2 7 3 . 1	5 2 . 3
0 . 0 0 5 1	0 . 0 5 1	0 . 0 0 0 5 1
4 1 2 0	6 3	4 8 3
0 . 4 8	0 . 0 4 8	0 . 0 0 4 8
2 . 3 X 1 0 ²	2 . 3 X 1 0 ¹	8 . 0 X 1 0 ³
2 . 3 X 1 0 ⁻²	2 . 3 X 1 0 ⁻¹	8 . 0 X 1 0 ⁻³
2 . 3 X 1 0 ⁻³	2 . 3 X 1 0 ⁻³	2 . 3 X 1 0 ⁻⁴
2 . 3 X 1 0 ³	2 . 3 X 1 0 ³	2 . 3 X 1 0 ⁴

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Converting Scientific Notation to and from Decimals

50	5000	500
0.0075	0.075	0.00075
3003	303	33
0.008	0.0008	0.8
9 X 10 ²	1 X 10 ¹	5 X 10 ³
9 X 10 ⁻²	1 X 10 ⁻¹	5 X 10 ⁻³
8.1 X 10 ⁻³	8.1 X 10 ⁻³	8.1 X 10 ⁻⁴
8.1 X 10 ³	8.1 X 10 ³	8.1 X 10 ⁴

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Convert to Scientific Notation with 2 place Rounding

1221.212

24312.13

364114.2

48512.15

126116.2

2471.217

0.003192

0.00004272

0.0005352

0.0006554

0.007663

0.00008782

8.18 $\times 10^3$

7.17 $\times 10^2$

6.16 $\times 10^4$

8.18 $\times 10^{-3}$

7.17 $\times 10^{-2}$

6.16 $\times 10^{-1}$

5.0005 $\times 10^1$

4.0004 $\times 10^2$

3.0003 $\times 10^3$

2.05 $\times 10^{-1}$

1.05 $\times 10^{-2}$

9.05 $\times 10^{-3}$

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Convert to Scientific Notation

12 . 3 x 10 ³	12 . 3 x 10 ²	1234 . 56 x 10 ⁻¹
12 . 3 x 10 ⁻³	12 . 3 x 10 ⁻²	1234 . 56 x 10 ¹
0 . 12 3 x 10 ²	0 . 12 4 x 10 ³	0 . 0012 x 10 ⁻³
0 . 12 4 x 10 ⁻²	0 . 12 4 x 10 ⁻³	0 . 0345 x 10 ⁴
1234 . 56 x 10 ⁻³	1234 . 56 x 10 ⁻²	12 . 3 x 10 ⁴
1234 . 56 x 10 ³	1234 . 56 x 10 ²	12 . 3 x 10 ⁻⁴
0 . 0012 x 10 ⁵	0 . 0012 x 10 ⁴	0 . 0012 x 10 ³
0 . 0012 x 10 ⁻⁵	0 . 0012 x 10 ⁻⁴	0 . 12 4 x 10 ⁴
0 . 0345 x 10 ⁶	0 . 0345 x 10 ⁵	0 . 12 4 x 10 ⁻⁴

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Convert to Scientific Notation

31 . 4 x 10¹	31 . 4 x 10²	3141 . 59 x 10¹
31 . 4 x 10⁻¹	31 . 4 x 10⁻²	3141 . 59 x 10⁻¹
0 . 0321 x 10²	0 . 0321 x 10³	0 . 0031 x 10³
0 . 0321 x 10⁻²	0 . 0321 x 10⁻³	0 . 0031 x 10⁻³
3141 . 59 x 10⁻³	3141 . 59 x 10⁻²	31 . 4 x 10⁴
3141 . 59 x 10³	3141 . 56 x 10²	31 . 4 x 10⁻⁴
0 . 0031 x 10⁵	0 . 0031 x 10⁴	0 .0 0314 x 10⁴
0 . 0031 x 10⁻⁵	0 . 0031 x 10⁻⁴	0 . 0321 x 10⁴
0 .0 0314 x 10⁶	0 .0 0314 x 10⁵	0 . 0321 x 10⁻⁴

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Convert to Scientific Notation

24 . 3 x 10²	24 . 3 x 10³	2434 . 56 x 10⁻¹
48 . 3 x 10⁻²	48 . 3 x 10⁻³	4834 . 56 x 10¹
0 . 96 3 x 10¹	0 . 96 4 x 10²	0 . 0096 x 10⁻³
0 . 36 4 x 10⁻¹	0 . 36 4 x 10⁻²	0 . 0545 x 10⁴
2434 . 56 x 10⁻²	2434 . 56 x 10⁻¹	24 . 3 x 10⁴
2434 . 56 x 10²	2434 . 56 x 10¹	24 . 3 x 10⁻⁴
0 . 0048 x 10⁴	0 . 0048 x 10⁵	0 . 0048 x 10³
0 . 0096 x 10⁻⁴	0 . 0096 x 10⁻³	0 . 96 4 x 10⁴
0 . 0645 x 10⁵	0 . 0945 x 10³	0 . 12 4 x 10⁻⁴