SCIENTIFIC NOTATION PRACTICE

	Convert to scientific notation			Convert to decimal notation	
1	34,000,000,000		11	6.23×10^{12}	
2	0.0000000648		12	2.8×10^{-5}	
3	659,000,000,000,000,000		13	6.45×10^{7}	
4	6,000,000,000		14	8.4×10^{-8}	
5	0.0000000045		15	7.0×10^{4}	
6	0.0000000000000000056		16	5.6×10^{-8}	
7	53,200,000,000,000		17	1.2×10^{13}	
8	0.0000000034		18	9.3×10^{-9}	
9	62,640,000,000		19	4.61×10^{10}	
10	0.00064		20	7.25×10^{9}	

Multiply or divide:

1. $(6.7 \times 10^{7})(8.2 \times 10^{2})$	11. $\dfrac{5.2 \times 10^{4}}{6.7 \times 10^{9}}$
2. $(12.4 \times 10^{-5})(9.1 \times 10^{3})$	12. $\dfrac{9.2 \times 10^{6}}{6.5 \times 10^{3}}$
3. $(3.1 \times 10^{2})(4.12 \times 10^{7})$	13. $\dfrac{3.58 \times 10^{-5}}{9.7 \times 10^{-10}}$
4. $(5.0 \times 10^{-5})(9.2 \times 10^{-16})$	14. $\dfrac{9.3 \times 10^{-9}}{2.3 \times 10^{-16}}$
5. $(6.5 \times 10^{-6})(3.59 \times 10^{-45})$	15. $\dfrac{8.46 \times 10^{-2}}{6.26 \times 10^{16}}$
6. $(5.77 \times 10^{-2})(1.9 \times 10^{-5})$	16. $\dfrac{3.5 \times 10^{-4}}{8.9 \times 10^{-6}}$
7. $(8.9 \times 10^{9})(8.07 \times 10^{6})$	17. $\dfrac{7.93 \times 10^{16}}{2.3 \times 10^{21}}$
8. $(6.2 \times 10^{-14})(5.9 \times 10^{7})$	18. $\dfrac{8.2 \times 10^{-18}}{4.6 \times 10^{-49}}$
9. $(6.5 \times 10^{-1})(4.0 \times 10^{3})$	19. $\dfrac{2.6 \times 10^{-7}}{4.33 \times 10^{9}}$
10. $(2.5 \times 10^{2})(2.8 \times 10^{-3})$	20. $\dfrac{1.2 \times 10^{-2}}{7.02 \times 10^{15}}$

Check whether these are correct format of scientific notation:

#		Correct	Incorrect	#		Correct	Incorrect
1	0.8×10^{5}			6	891×10^{2}		
2	7.5×10^{-24}			7	5.62×10^{5}		
3	96.5×10^{-3}			8	5.62×100^{3}		
4	1.00×10^{94}			9	0.1×10^{8}		
5	5.2×5^{4}			10	8.888×10^{1}		