**Scientific Notation Worksheet**

1. Rewrite *using* scientific notation.
	1. 50000
	2. 420
	3. 3000
	4. 826
	5. 31500000
	6. 15000000
	7. 90.6
	8. 22.8
	9. 0.007
	10. 0.00005
	11. 0.000064
	12. 0.063
	13. 0.0805
	14. 0.000127
2. Find each value of *n*.
	1. $1265=1.265×10^{n}$
	2. $76.3=7.63×10^{n}$
	3. $0.0041=4.1×10^{n}$
	4. $0.000 056 3=5.63×10^{n}$
	5. $4 961 000 000=4.961×10^{n}$
	6. $0.860=8.60×10^{n}$
3. Rewrite *without* scientific notation.
	1. $5×10^{4}$
	2. $2.6×10^{5}$
	3. $6.1×10^{1}$
	4. $3×10^{3}$
	5. $9.9×10^{7}$
	6. $7.02×10^{5}$

Answers:

1. a) 5.0 x 104
	* 1. 4.2 x 102
		2. 3.0 x 103
		3. 8.26 x 102
		4. 3.15 x 107
		5. 1.5 x 107
		6. 9.06 x 101
		7. 2.28 x 101
		8. 7.0 x 10-3
		9. 5.0 x 10-5
		10. 6.4 x 10-5
		11. 6.3 x 10-2
		12. 8.05 x 10-2
		13. 1.27 x 10-4
2. a) n = 3

b) n = 1

c) n = -3

d) n = -5

e) n = 9

f) n = -1

1. a) 50 000

b) 260 000

c) 61

d) 3000

e) 99 000 000

f) 702 000