

Math and Significant Figures Review Sheet Answers.

1:	a. 2 b. 5 c. 3 d. 3 e. 1 (not ambiguous) f. 4	13.	a. 1.8×10^4 mg active ingredient b. 3.6×10^2 mg per two tablet dose
2:	a. 3.24×10^9 b. 7.65×10^{-4} c. 1.542×10^2 d. 2×10^3 e. 1.000×10^{-3}	14.	a. 34.2°C b. 71.6°F
3:	a. 16.5 b. 3.26×10^{-2} c. 5.01 d. 124 e. 1.00×10^{-2}	15.	505 lb/ft^3
4.	a. 0.17 or 1.7×10^{-1} b. -6.1×10^{-3} c. 2.4×103 d. 277.8 e. -5.38	16.	95%
5.	a. 1.61×10^{-4} mm b. 1.1×10^8 meters c. 0.102 moles or 1.02×10^{-1} moles d. 5.05×10^9	17.	$x = 3, y = -2$
6.	2.71×10^5 mm	18.	2 cups and 4 cups
7.	$2.71 \times 10^8 \text{ mm}^2$	19.	$m = 3/5$ and $b = -9$
8.	$2.71 \times 10^{11} \text{ mm}^3$	20.	$x = -3$ and 2
9.	68.8 mm	21.	$2a^2 + 2ab$
10.	$1.75 \times 10^3 \text{ mm}^2$	22.	1
11.	$4.44 \times 10^4 \text{ mm}^3$	23.	a. 3.5337 b. 3.474 c. 3.33 d. 10.4 e. 0.7438 f. 10
12.	2.5×10^4 liters	24.	$x = 311$