Name _____

Date _____

Metric, Rounding, and Scientific Notation Test

Directions: Write the meaning of the following abreviations and what it measures (mass, length, or capacity).

		Meaning		It Measures …
1	dg		2	
3	dam		4	
5	mL		6	
7	cm		8	
9	kL		10	
11	hm		12	
13	m		14	
15	g		16	
17	L		18	

Name _____

Directions: Fill in the blank with the correct amount.

19	1,000 g =	_____ kg	20	.009 kL =	_____ daL
21	56 mm =	_____ m	22	24 g =	_____ mg
23	1.009 L =	_____ mL	24	.005 g =	_____ kg
25	2,685 mm =	_____ km	26	100 dL =	_____ mL
27	5,620,000 mg =	_____ kg	28	1,790 km =	_____ mm
29	10,000 cg =	100 _____	30	34 cm =	340 _____
31	777,777 hL =	77,777.7 ____	32	10,006 mg =	1,000.6 ____
33	4 kL =	_____ mL	34	100 hm =	10 ____
35	1 L =	_____ kL	36	964,000 mL =	96.4 _____
37	1,357 dam =	_____ dm	38	1.0415 km =	_____ dm
39	432,576 mg =	_____ cg	40	4,930 g =	49.3 _____

Directions: Round the following numbers to the nearest thousand.

41	1,564,587 =	_____	42	68,794 =	_____
43	100,567.287 =	_____	44	73,254,567 =	_____
45	854.5 =	_____	46	9,965 =	_____
47	24,650.364 =	_____	48	9,132 =	_____

Directions: Round the following numbers to the nearest whole number.

49	348.569 =	_____	50	95,246.32 =	_____
51	100,567.287 =	_____	52	73,254,567 =	_____
53	54.1248 =	_____	54	0.6594 =	_____
55	2,168.2354 =	_____	56	235.35648 =	_____

Name _____

Directions: Round the following numbers to the nearest hundredth.

57 5,348.5695 = _____

58 246.325348 = _____

59 532.2156 = _____

60 15,245.1894 = _____

61 1.245,987 = _____

62 0.6514 = _____

63 0.2459324 = _____

64 45.402354 = _____

Directions: Put the following numbers into scientific notation.

65 1,564,587 _____

66 68,794 _____

67 100,567.29 _____

68 73,254,567 _____

69 854.56874 _____

70 9,965 _____

71 2,546 _____

72 2,548,597,215 _____

73 252 _____

74 2 _____

75 65 _____

76 28,967,542 _____

Directions: Take the following numbers out of scientific notation.

77 2.6×10^{6} _____

78 5.649×10^{3} _____

79 1.2×10^{0} _____

80 9.76×10^{4} _____

81 4.68×10^{5} _____

82 6.4×10^{1} _____

83 4.69×10^{9} _____

84 7.3×10^{2} _____

85 5×10^{8} _____

86 6.24×10^{13} _____

87 5.4×10^{6} _____

88 7.397×10^{3} _____