	ν			
Name	Ney	100 100 100 100	Period	
Significant Fig	ures Worksheet			
1. How many s measureme		are there in each	of the following	
a. 3.58 g 3 d. 0.0004898	mm 4	b. 14.809 cm 5 e. 3000. cm 4	c. 107.334 km 4 f. 804.58 kg 5	
g. 0.007832 d j. 14.380 s	g 4	h. 130,004.5 mm 7 k. 307g 3	i. 250.00 km 5 l. 1.40082 cm 4	
m. 0.0005890 p. 0.0030090	10g 5	n. 4500 km 2 q. 3.50 x 10 ³ cm 3		
number of s a. 8.4 cm x 3.	significant figure 58 cm = 30.cm ²	b. 1.075 m x 2	culations with the constant $2.0 \text{m} = 2.2 \text{m}^2$	
e. 10.00 m × 8 g. 85.0869 m² i. 0.005600 m	x 22.4 mm = 69.21 34.767 m = 847.7 3 ÷ 9.0049 m = 9.44 1m ² ÷ 0.200 = 0.028 000cm = 12cm ²	f. 35.068 km ³ 90m h. 0.00826 cm 80 mm j. 3.4500 cm ²	n x 0.18 cm = 0.000 8 ÷ 5.7 km = 6.2 Km n ² ÷ 0.00033 cm = 25 ÷ 450 cm = 0.6077 c 5.0 cm = 10 • cm ²	cm cm
m. $400 \text{ m} \times 87$ o. 8.70×10^{-2} q. $120 \text{ km}^2 \div 8$	7 488 m = 3 × 107	n. 2.3 x 10 ⁻⁶ m 35mm ² p. 0.0045 mm r. 0.7600 mm	1 × 1.45 × 10 ⁻² m = 3.3 2 ÷ 0.90 mm = 0.0050 3 ÷ 1.50 mm = 0.507 m ³ ÷ 8.04 m = 7.84 x	mm ²
			culations with the c	correct
a. 82.5 cm + 1	significant figure 3.56 cm = 96.1 cm	b. 16.8892 km	+ 3.5 km = 20.4 Ki	200
e. 30.44 kg 💠	3.56g = 49.026 3.9422 kg = 34.38	Kg f. 13.80 cm -	+ 80.0 mm = 186,21 6.0741 cm = 7.73 ci	
i. 54.00 g - 30	1.440 cg = 7.032 0.2020 g = 23.80	h. 30. s - 1.44 j. 1.45050 kg	- 0.00667 kg = 1.44	383 Kg
			culations with the c	orrect
a. <u>15.554 cm</u> (1.5 cm +	significant figure × 0.000312 cm 3.62 cm)	9.5 x 10 cm	or 0.0009	Bom
b. <u>(2.9 × 10</u> (1.22 × 10	0^3 mm ² × 1.00 × 10^5 r mm × 5.7778 × 10	mm) = 4,1 x10	2 mm	
c. (8.00006 m		= 30 m	r 3 x 10 m	

Please Excuse My Dear Aunt Sally! wank from Lto R

