



Name: Anne Sirs Class: _____

Term 4 Year 7 Project

Data: Australia's Rainfall

Due: Monday 2nd November

Background: Australia, the driest populated continent on earth, is becoming even drier. In recent years, a serious decline in average rainfall across Australia has led to calls for greater efforts to be made by people to conserve water. Householders are being asked to take shorter showers, to use less water on gardens and to consider installing rain-water tanks around the home. Drought conditions have led to a reduction in the number of hectares sown for grain crops and to grazing stock numbers.

Data:

Average Rainfall: Australian Capital Cities (in mm)

Capital city	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Total
Sydney	100	113	126	132	124	129	106	81	70	80	78	80	1219
Canberra	60	58	53	51	51	38	39	50	48	72	64	56	640
Melbourne	48	50	53	59	58	50	49	49	59	67	59	58	659
Brisbane	167	162	145	88	70	69	57	48	48	75	94	129	1152
Hobart	45	41	44	52	49	57	55	49	55	60	61	56	624
Adelaide	20	21	24	45	69	72	67	62	51	44	31	27	533
Perth	8	11	20	46	125	186	175	139	81	56	21	14	882
Darwin	393	330	258	103	14	3	1	2	13	50	124	244	1535

Working Mathematically:

1. Write the numbers in the 'Total' column, in order, from highest to lowest.

1535, 1219, 1152, 882, 659, 640, 624, 533

deduct $\frac{1}{2}$ m
ea incorrect

2. Which city has the most rain in January, February and March?

Darwin ✓

3. Which is the only city to have over 100mm of rain, on average, in each of the first seven months of the year?

Sydney ✓

4. Which three cities have over 100mm of rain in each of the first three months?

Darwin ✓

Brisbane ✓

Sydney ✓