

$$\sum x = 84.6$$

a. Calculate the mean amount of rainfall during the whole 28 days. (2)

Keith realises that he has transposed two of his figures. The number 9.4 should have been 4.9 and the number 0.5 should have been 5.0. Keith corrects these figures.

b. State, giving your reason, the effect this will have on the mean. **(3)**

[illegible]

Solutions

1a.

mean = $\frac{2.8+5.6+2.3+9.4+0.0+0.5+1.8+84.6}{28}$	M1
mean = $\frac{107}{28}$ mean = 3.8214... mean = 3.82 mm (3 s.f)	M1

1b.

9.4 drops by 4.5	M1
0.5 rises by 4.5	M1
Therefore, there is no change in the mean.	M1

