



## Hypothesis Testing Contingency Tables for Independence/an Association

Ms Vickers is the head teacher at Stoneway Academy. She believes that the length of time staff stay working at the school is dependent on their job role. She collates the information for all the staff currently on her payroll into the table below

	$0 < \text{year} \leq 5$	$5 < \text{years} \leq 10$	$> 10 \text{ years}$
Senior Leadership Team	1	4	9
Teaching Staff	26	42	39
Teaching Assistant	9	11	8
Pastoral Care Team	4	8	8
Administrative Staff	4	9	13
Other	8	7	19

Carry out a Chi-Squared test at the 5% significant level to see if Ms Vickers beliefs are correct