Daily Question – Applied Mathematics - Day 7

Topic: Linear interpolation

The masses, in kg, of some students are recorded in the table.

Mass, *m* (kg)	$40 \leqslant m < 45$	$45 \leqslant m < 50$	$50 \leqslant m < 55$	$55 \leqslant m < 60$
Frequency	7	10	14	5

a Use linear interpolation to find an estimate for the median mass. **(2 marks)**

b Explain why your answer to part **a** is an estimate. **(1 mark)**