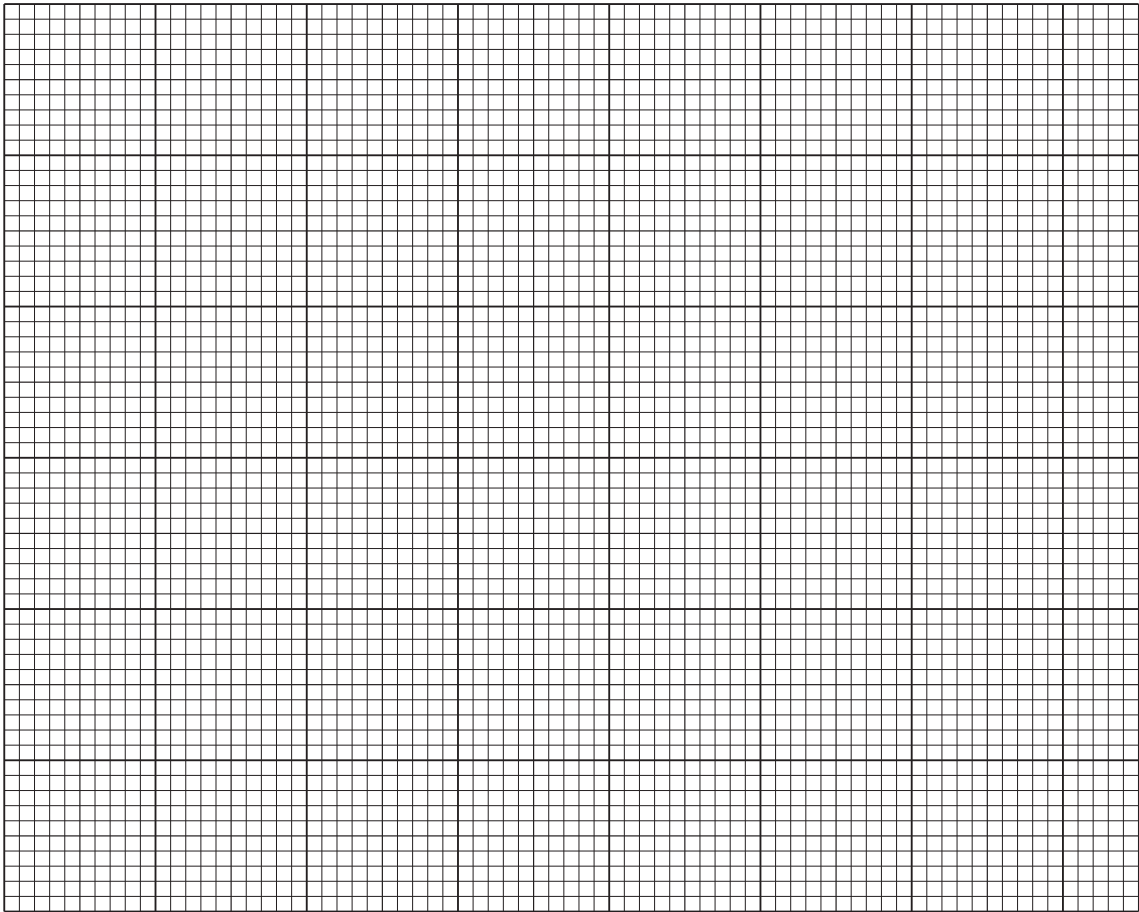


3 The times taken, in minutes, by 150 students to complete a puzzle are summarised in the table.

Time taken ( $t$ minutes)	$0 \leq t < 20$	$20 \leq t < 30$	$30 \leq t < 35$	$35 \leq t < 40$	$40 \leq t < 50$	$50 \leq t < 70$
Frequency	8	23	35	52	20	12

(a) Draw a histogram to represent this information. [4]



- (b)** Calculate an estimate for the mean time for these students to complete the puzzle. [3]

[illegible]

- (c) In which class interval does the lower quartile of the times lie? [1]

This image shows a single sheet of white paper with ten horizontal dashed lines, typical of primary-ruled notebook paper. The lines are evenly spaced and extend across the width of the page. There is no handwriting or other markings on the paper.