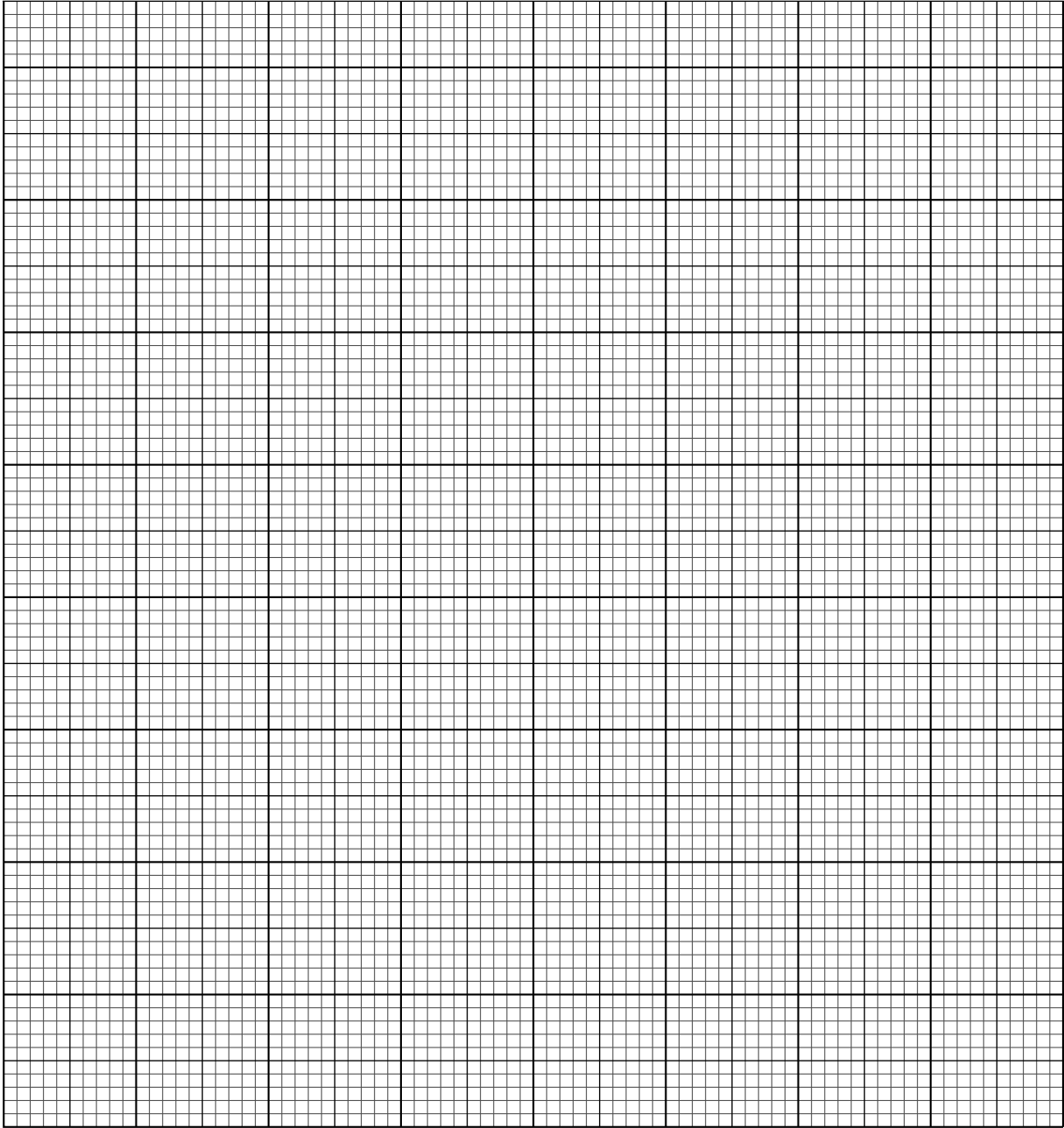


- 1** The time taken, t minutes, to complete a puzzle was recorded for each of 150 students. These times are summarised in the table.

Time taken (t minutes)	$t \leq 25$	$t \leq 50$	$t \leq 75$	$t \leq 100$	$t \leq 150$	$t \leq 200$
Cumulative frequency	16	44	86	104	132	150

- (a)** Draw a cumulative frequency graph to illustrate the data.

[2]



- (b)** Use your graph to estimate the 20th percentile of the data.

[1]

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