Question 10: In a study on hand-to-eye coordination, 100 Year 11 students were given this test:

A dot appears in a random position on either side of a screen. The dot moves quickly across the screen taking 5 seconds to reach the other side. You (i.e. the subject) have to aim a virtual-laser at the screen and move it until you hit the dot. The time it takes you to 'hit' the dot is recorded by the computer...

If a subject takes more than 5 seconds to hit the dot, then the computer assumes they are dead and NO TIME IS RECORDED for that subject – they are deleted from the records, and in real-life! 💀

Sadly, someone rubbed out all of the numbers on the histogram.

However, the researcher remembered that number of subjects in the $\frac{1}{4} \leqslant x < \frac{1}{2}$ class was a massive 21 less than the number in the $\frac{1}{2} \leqslant x < \frac{3}{4}$ class.

Out of the 100 students that took the test, how many had NO TIME RECORDED (i.e. took more than 5 seconds, so were assumed to be dead)?