a)	In a random sample of 250 of the students, how many would you expect to have taken more 20 minutes to complete the puzzle?

All the students are given a second puzzle to complete. Their times, in minutes, are normally distributed with mean μ and standard deviation σ . It is found that 20% of the students have times less than 14.5 minutes and 67% of the students have times greater than 18.5 minutes.

(b)	Find the value of μ and the value of σ .	[5]