(a)	Find the probability that a randomly chosen male leopard from this region weigh and 62 kg.	s betw
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		•••••
	weights of female leopards in this region are normally distributed with mean $42 \mathrm{kg}$ iation $\sigma \mathrm{kg}$ . It is known that $25\%$ of female leopards in the region weigh less than $30$	
	Find the value of $\sigma$ .	
		•••••

	e distributions of the weights of male and female leopards are independent of each other. A male pard and a female leopard are each chosen at random.
(c)	Find the probability that both the weights of these leopards are less than 46 kg. [4]