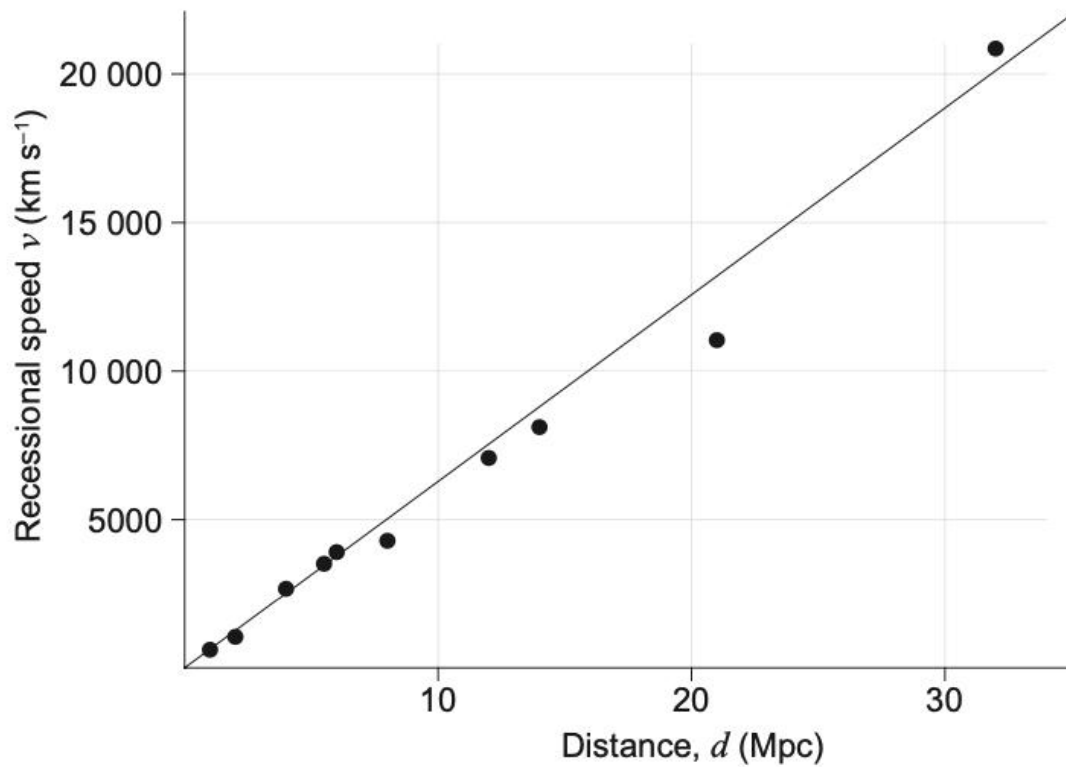


Question 8**(6 marks)**

Edwin Hubble found that the further a galaxy is away from an observer, the faster it is receding. Below is a graph of data showing this relationship.



Using the graph above, estimate the distance in kilometres to a galaxy that is receding at 4.5% of the speed of light.

Answer: _____ km