

- (i) There are 430 adult female giraffes in a particular game reserve. Find the number of these adult female giraffes which can be expected to weigh less than 700 kg. [4]

This image shows a full page of white paper with horizontal dashed lines, typical of primary school handwriting practice paper. The lines are evenly spaced and run across the entire width of the page. There are no margins, text, or other markings present.

- [illegible]

[illegible]

The weight of adult male giraffes has a normal distribution with mean 1190 kg and standard deviation σ kg.

- (iii) Given that 83.4% of adult male giraffes weigh more than 950 kg, find the value of σ . [3]

This image shows a full page of white paper with ten horizontal dashed lines, evenly spaced from top to bottom. The lines are thin and black, typical of handwriting practice paper. There are no margins, text, or other markings on the page.