

28 The table shows information about the weights of 120 oranges.

Weight ( $w$ grams)	Frequency
$50 < w \leq 100$	34
$100 < w \leq 150$	29
$150 < w \leq 200$	27
$200 < w \leq 250$	19
$250 < w \leq 300$	11

(a) Find the class interval that contains the median.

.....  
(1)

(b) Calculate an estimate for the mean weight of the 120 oranges.  
Give your answer correct to 3 significant figures.

..... grams  
(3)