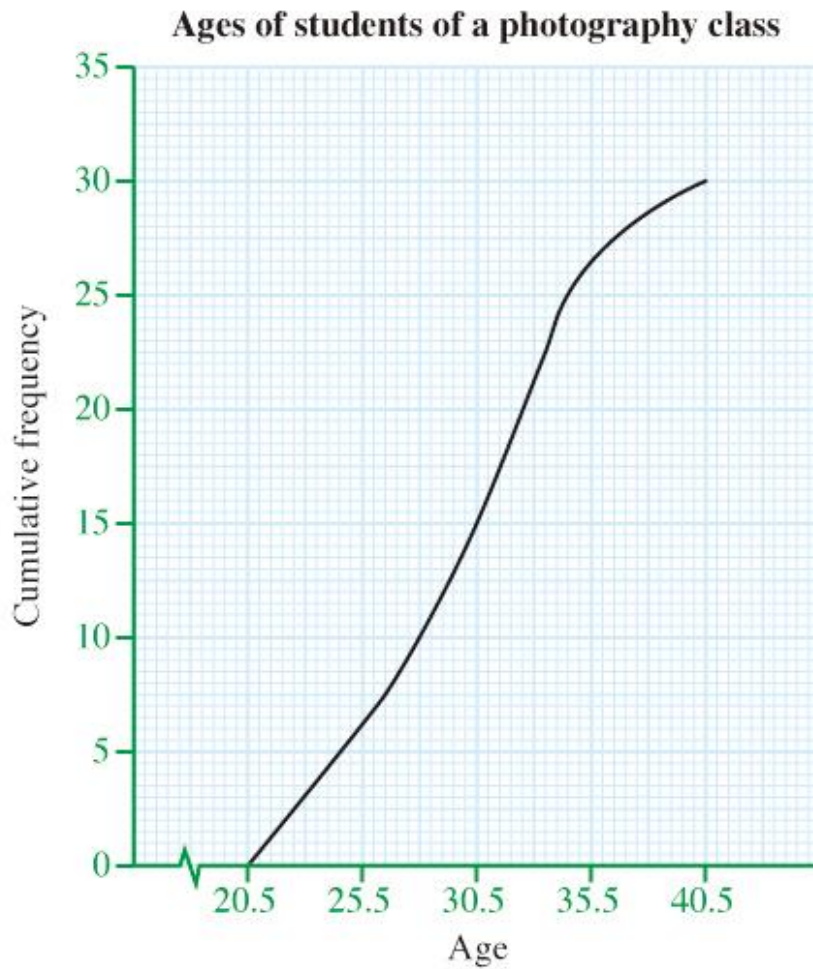


Name: _____ Class: _____ Class No: _____

1. The following cumulative frequency curve shows the distribution of the ages of students of a photography class.



(a) Find the total number of students of the photography class.

Answer: The total number of students is _____.

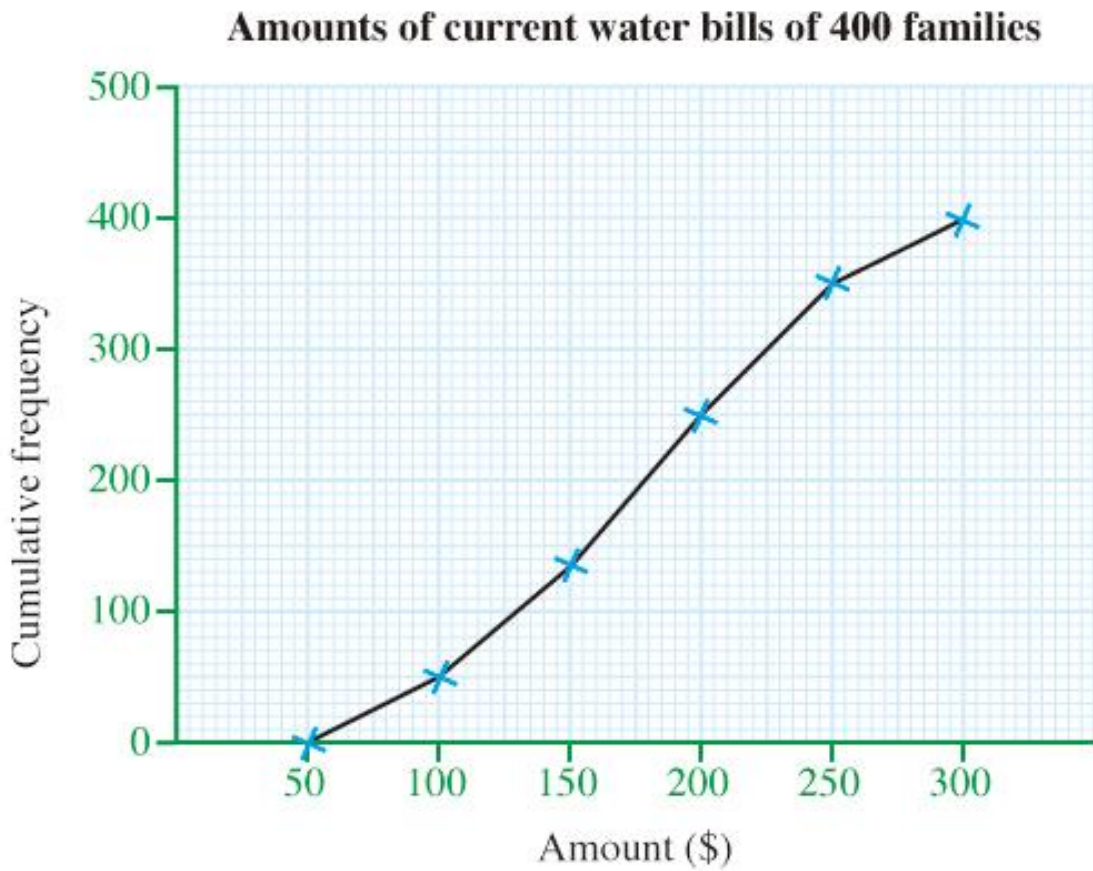
(b) Find the 30th percentile and the 80th percentile of the ages of the students.

Answer: The 30th percentile of the ages of the student is _____ years old.
The 80th percentile of the ages of the student is _____ years old.

(c) Find the median, the upper quartile and the lower quartile of the ages of the students.

Answer: Median = _____ years old
The upper quartile = _____ years old
The lower quartile = _____ years old

2. An environmental group concerns the usage of water in Hong Kong. The group carries out a survey on the amounts of the current water bills of 400 families. The following cumulative frequency polygon shows the result of the survey.



- (a) Find the median, the upper quartile and the lower quartile of the amounts of the current water bills of the families.

Answer: Median = \$ _____

The upper quartile = \$ _____

The lower quartile = \$ _____

- (b) How many families receive water bills for amounts of \$200 or above, but less than \$250?

- (c) What is the percentage of families that receive water bills for amounts of less than \$100?