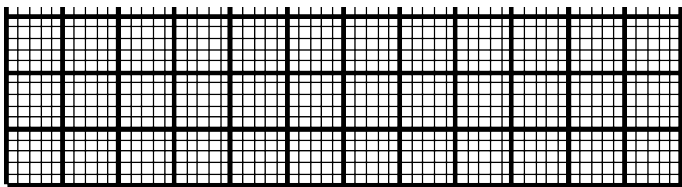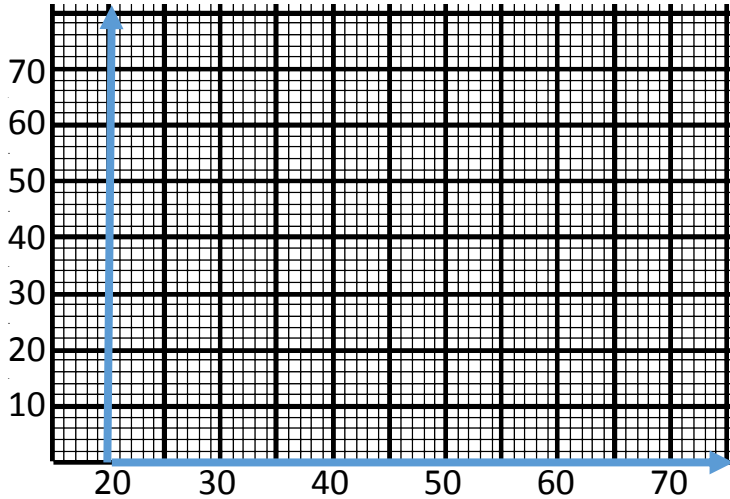# Cumulative Frequency Graphs

Complete the Cumulative Frequency tables and plot the curves

1

Age (A) in years	Frequency	Cumulative Frequency
$20 < A \leq 30$	12	
$30 < A \leq 40$	15	
$40 < A \leq 50$	18	
$50 < A \leq 60$	12	
$60 < A \leq 70$	3	

2 Skill 1

Speed (s) km/h	Frequency	CF
$0 < s \leq 20$	2	
$20 < s \leq 40$	9	
$40 < s \leq 60$	23	
$60 < s \leq 80$	31	
$80 < s \leq 100$	27	
$100 < s \leq 120$	8	

3 Skill 1

Weight (g)	Frequency	CF
$40 < A \leq 50$	6	
$50 < A \leq 60$	8	
$60 < A \leq 70$	14	
$70 < A \leq 80$	21	
$80 < A \leq 90$	26	
$90 < A \leq 100$	14	
$100 < A \leq 110$	7	
$110 < A \leq 120$	4	

Literacy

Define the following three words.
Frequency,   Cumulative,   Quartile

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Skill 2

Complete the table for graph 1 on the sheet then do the same for graphs 2 and 3 in your book.

Minimum Value	
Lower Quartile (LQ)	
Median	
Upper Quartile (UQ)	
Maximum Value	
Interquartile Range	

Stretch

Graph 1
Estimate the number of teachers older than 45.

Graph 2
Find an estimate for the number of lorries with a speed less than 90 km/h.

Graph 3
Estimate how many fish weigh more than 85g.

Skill 3

Accurately draw box plots for each of the 3 graphs. Draw the boxplot for graph 1 on the sheet.