

# S137 Histograms

① histogram

② a) histogram  
b) 5x

③ i)  $5 < d \leq 10$  38  
 $10 < d \leq 20$  30  
ii) histogram

④ used frequency instead of frequency density,  
find bar wrong width

⑤ 200

⑥  $\frac{61}{118}$

⑦  $\frac{76}{81}$

⑧ 86/87

⑨ a)  $5 < t \leq 15$  4  
 $15 < t \leq 25$  6  
 $25 < t \leq 30$  5  
 $30 < t \leq 50$  4

b) 10 minutes

⑩ a) 68  
b) i) 412-47  
ii) dependent on distribution within the interval

⑪ 7

⑫ a) histogram  
b) 19