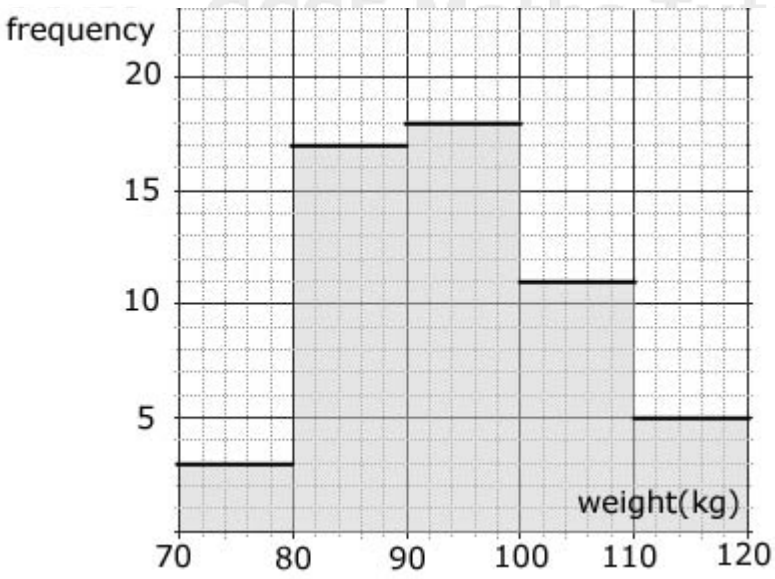
1. The block graph shows the distribution of weights of adults working at a factory.

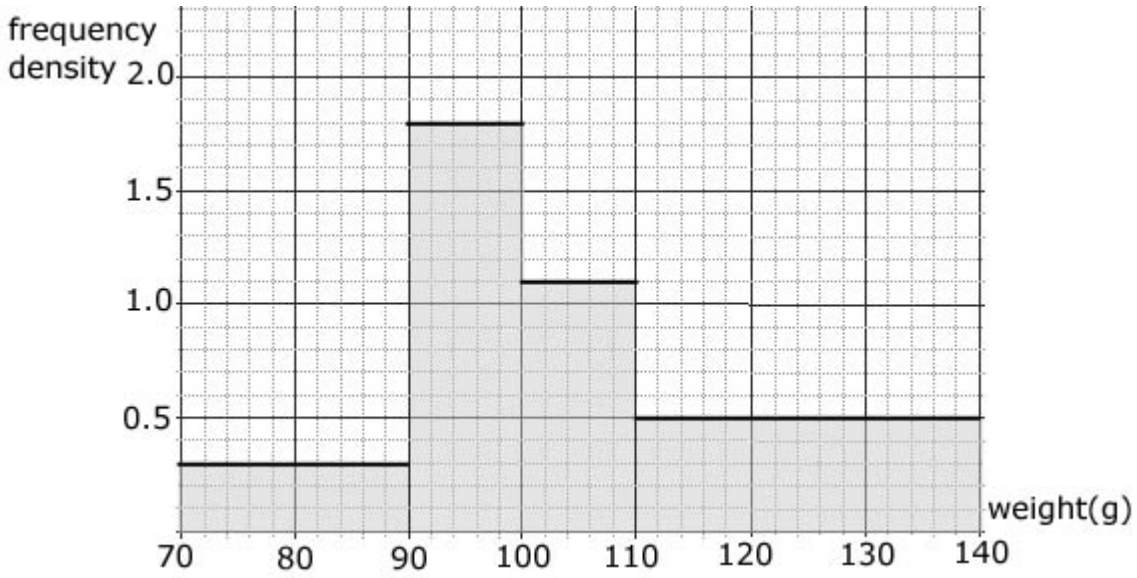


(a) how many workers have a weight less than 100 kg ?
(b) how many workers have a weight between 80 and 110 kg ?
(c) how many workers have a weight less than 80 kg ?
(d) how many workers are there in the factory ?

2. The data in the table shows how the height of plants varies after 4 weeks of growth. Copy and complete the table. (2 d.p.)

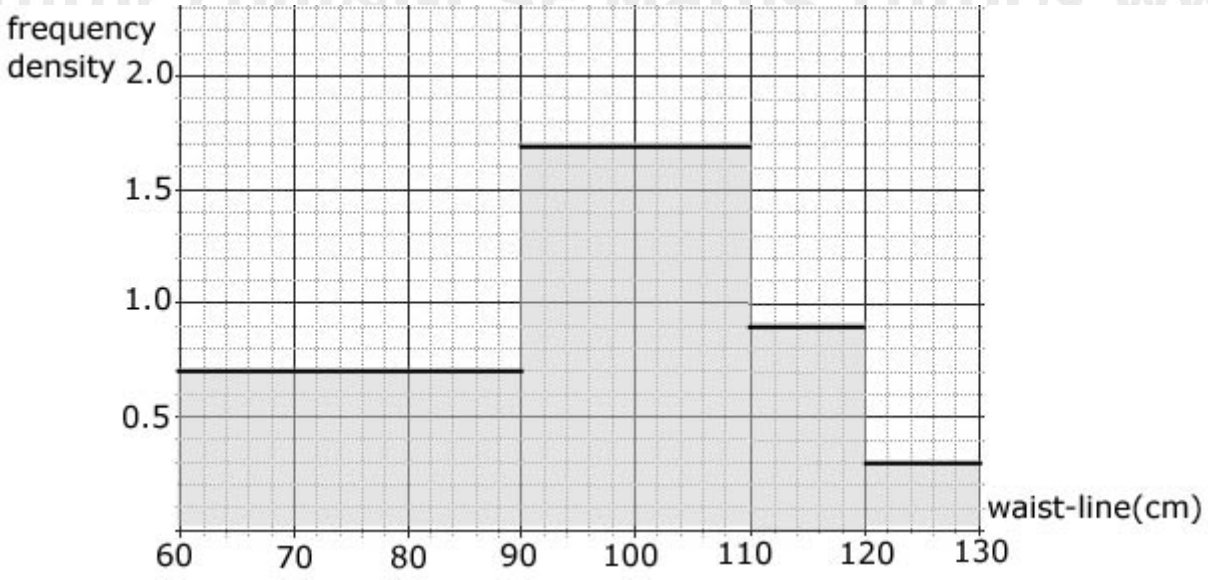
height(cm)	class width	frequency	frequency density
$0 \le h < 15$		7	
$15 \le h < 25$		20	
$25 \le h < 35$		35	
$35 \le h < 45$		41	
$45 \le h < 55$		29	
$55 \le h < 75$		13	

3. The histogram illustrates the results of a survey into the weights of potatoes in a sack.



(a) how many potatoes have a weight less than 90 g ?
(b) how many potatoes have a weight between 100 and 110 g ?
(c) how many potatoes have a weight between 110 and 140 g ?
(d) how many potatoes are there in the sack ?

4. A school nurse collected data on the size of pupil's waist-lines.



(a) how many pupils had a waist-line less than 110 cm ?
(b) how many pupils had a waist-line greater than 90 cm ?
(c) how many pupils had their waist-line measured ?

1. (a) 38
   (b) 46
   (c) 3
   (d) 54

2.

height(cm)	class width	frequency	frequency density
$0 \le h < 15$	15	7	0.47
$15 \le h < 25$	10	20	2.00
$25 \le h < 35$	10	35	3.50
$35 \le h < 45$	10	41	4.10
$45 \le h < 55$	10	29	2.90
$55 \le h < 75$	20	13	0.65

3. (a) 6
   (b) 11
   (c) 15
   (d) 50

4. (a) 55
   (b) 46
   (c) 67