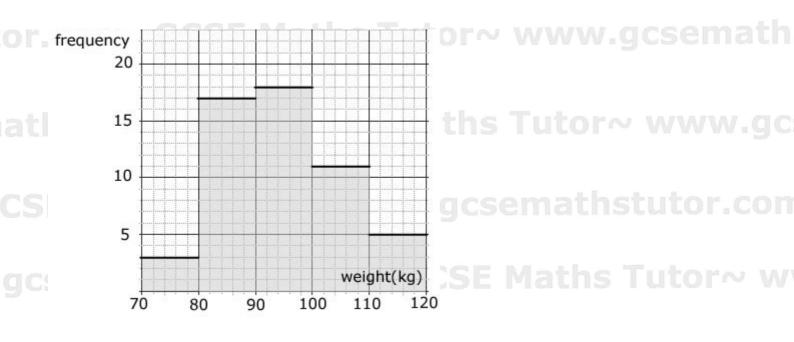
## Info. & Prob. – data <u>histograms</u> question sheet IP-HIS-01

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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	toral I
CS	$0 \le h < 15$	itor.com		latins i u	tor~ )
ſ	$15 \le h < 25$		20	· · · · · · · · · · · · · · · · · · ·	
ļ	$25 \le h < 35$		35		j
	$35 \le h < 45$		41		
CS	$45 \le h < 55$	Tutor∼ v	29 0 5	emathsti	utor.c
ſ	$55 \le h < 75$		13		

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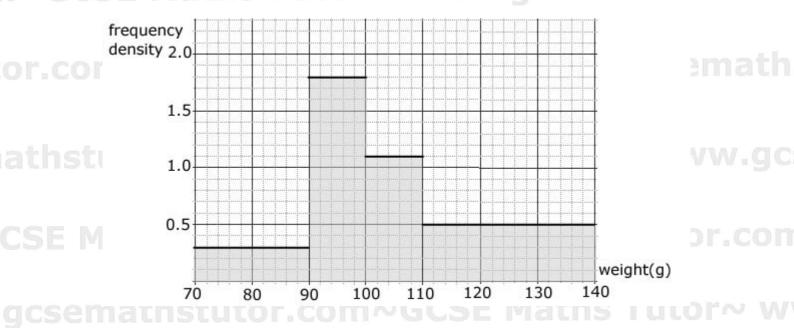
## Info. & Prob. – data <u>histograms</u> question sheet IP-HIS-01

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



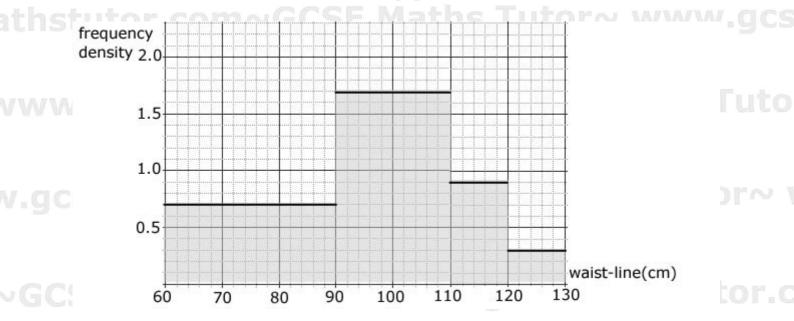
(a) how many potatoes have a weight less than 90 g?

(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 ?

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## Info. & Prob. – data histograms answer sheet IP-HIS-01

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athst	height(cm)	class width	frequency	frequency density	
	$0 \le h < 15$	15	7	0.47	
	$15 \le h < 25$	10	20	2.00	
CGE N	$25 \le h < 35$	10	35	3.50	
CSE P	$35 \le h < 45$	10	41	4.10	
	$45 \le h < 55$	10	29	2.90	
	$55 \le h < 75$	20	13	0.65	
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(c) 15 ths Tutor~ www.gcsemathstutor.com (d) 50

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