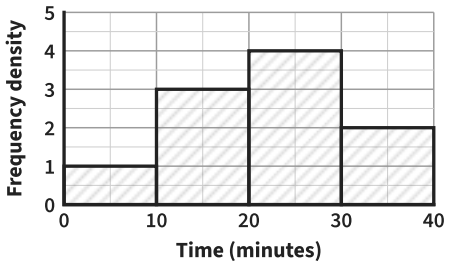
Reading histograms

1

Find the frequency for $10 < t \leq 20$.

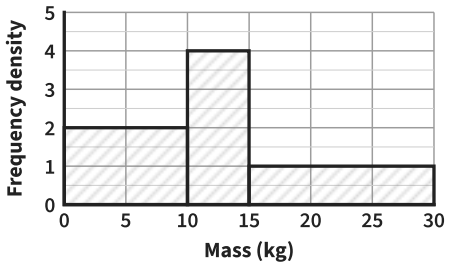


Class	Class width	Frequency density	Frequency
$10 < t \leq 20$	10	3	

Answer _____

2

Find the frequency for $15 < m \leq 30$.

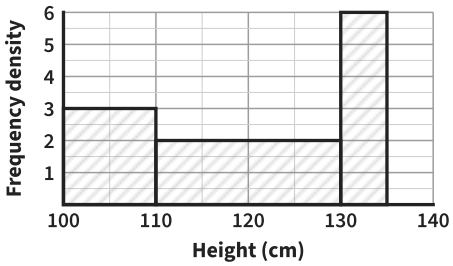


Class	Class width	Frequency density	Frequency
$15 < m \leq 30$	15		

Answer _____

3

Find the frequency for $110 < h \leq 130$.

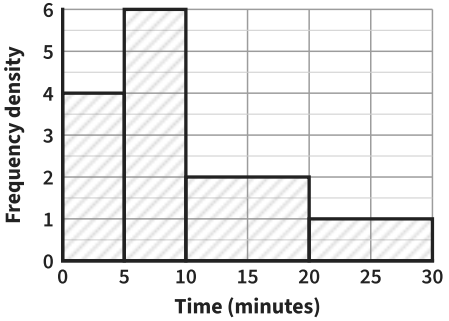


Class	Class width	Frequency density	Frequency
$110 < h \leq 130$			

Answer _____

4

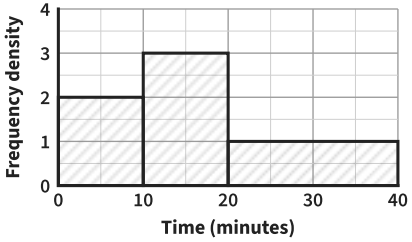
How many values are there altogether?



Answer _____

5

Estimate how many values are between 15 and 30.

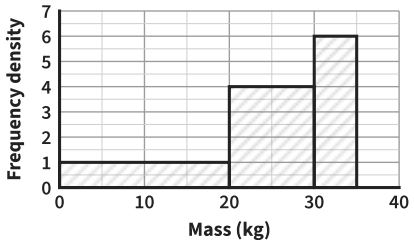


Class	Class width	Frequency density	Frequency
$15 < t \leq 20$	5	3	
$20 < t \leq 30$			

Answer _____

6

Estimate how many values are between 10 and 25.

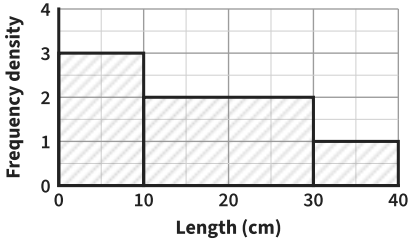


Class	Class width	Frequency density	Frequency
$10 < m \leq 20$			
$20 < m \leq 25$			

Answer _____

7

Estimate how many values are more than 20.

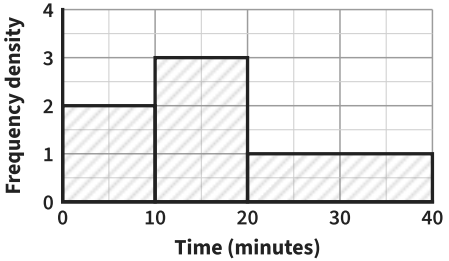


Class	Class width	Frequency density	Frequency
$20 < l \leq 30$			
$30 < l \leq 40$			

Answer _____

8

Zoe estimates that 3 values are between 10 and 15, from the height of the bar. Explain her mistake.

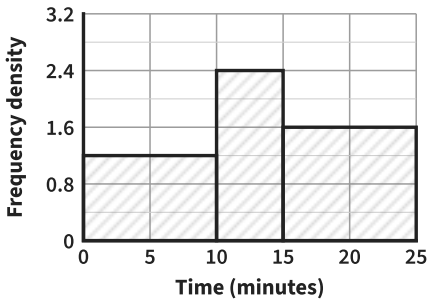


Answer _____

Reading histograms *further practice*

9

Find the frequency for $10 < t \leq 15$.



Answer _____

10

How many values are in the histogram in question 9 altogether?

Answer _____

11

Estimate how many values in question 9 are more than 20.

Answer _____

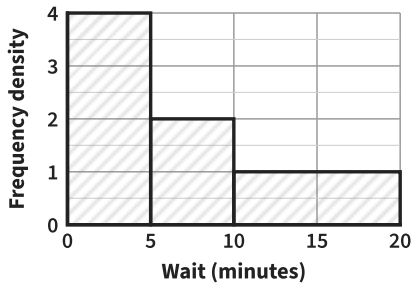
12

Two classes both have a frequency of 20.
One is 10 wide and one is 4 wide.
How tall is each bar?

Answer _____

13

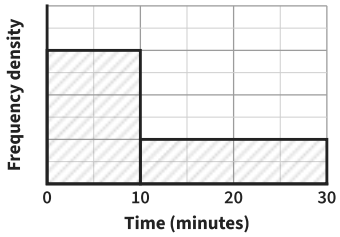
The histogram shows how long callers waited on a phone line. What fraction of the callers waited more than 10 minutes?



Answer _____

14

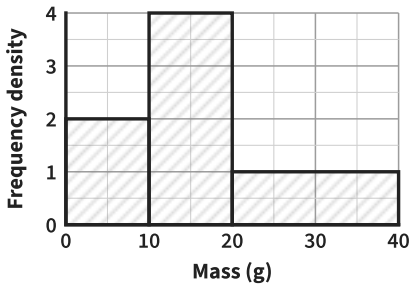
The bar for $0 < t \leq 10$ stands for 30 people. How many people does the bar for $10 < t \leq 30$ stand for?



Answer _____

15

Estimate how many values are between 5 and 25.



Answer _____

16

What have you assumed in question 15?

Answer _____