

## Sports Centre (A)

Last Tuesday, 20 people visited the local Sports Centre.

Sharifah wrote down the age in years of each person:

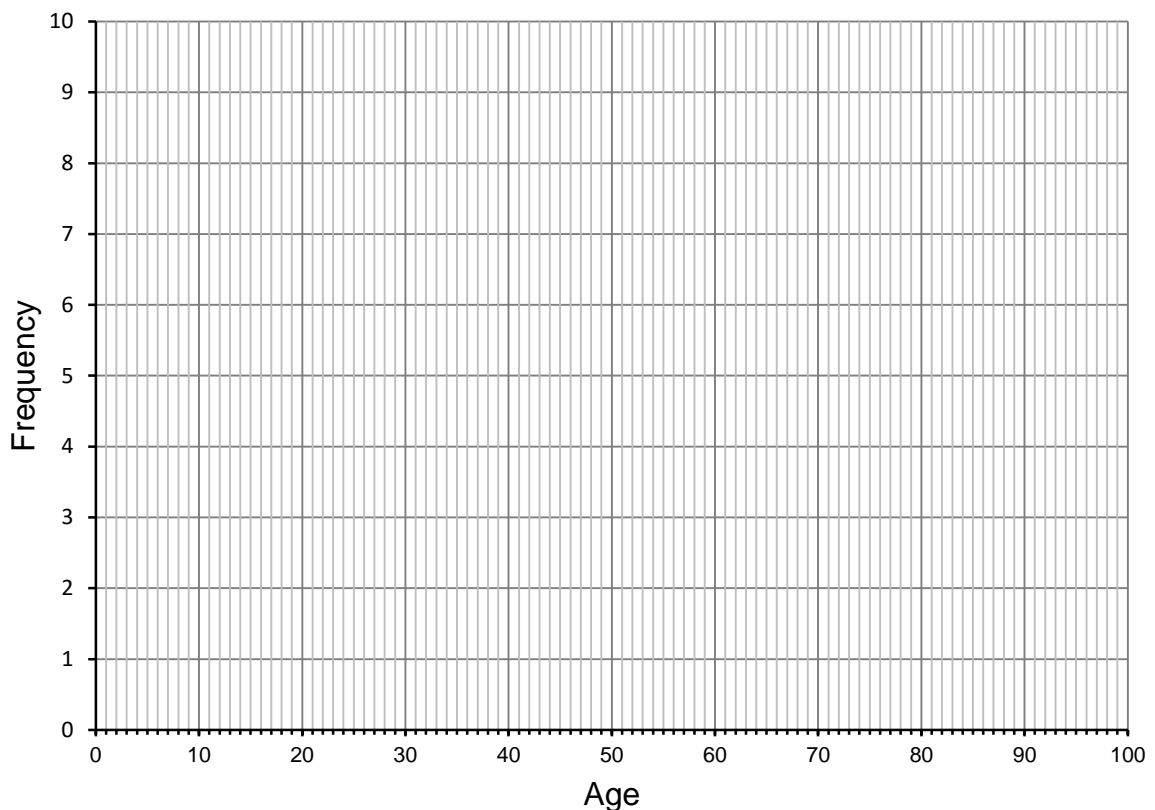
2, 2, 4, 7, 14, 16, 16, 17, 19, 21, 28, 34, 36, 38, 45, 52, 63, 79, 82, 93.

She decided to draw a bar chart for this data. She wasn't sure what categories to use, so she tried it three different ways.

Fill in the frequencies.

Draw the bar chart.

Age (years)	Frequency
$0 < \text{age} \leq 20$	
$20 < \text{age} \leq 40$	
$40 < \text{age} \leq 60$	
$60 < \text{age} \leq 80$	
$80 < \text{age} \leq 100$	



## Sports Centre (B)

Last Tuesday, 20 people visited the local Sports Centre.

Sharifah wrote down the age in years of each person:

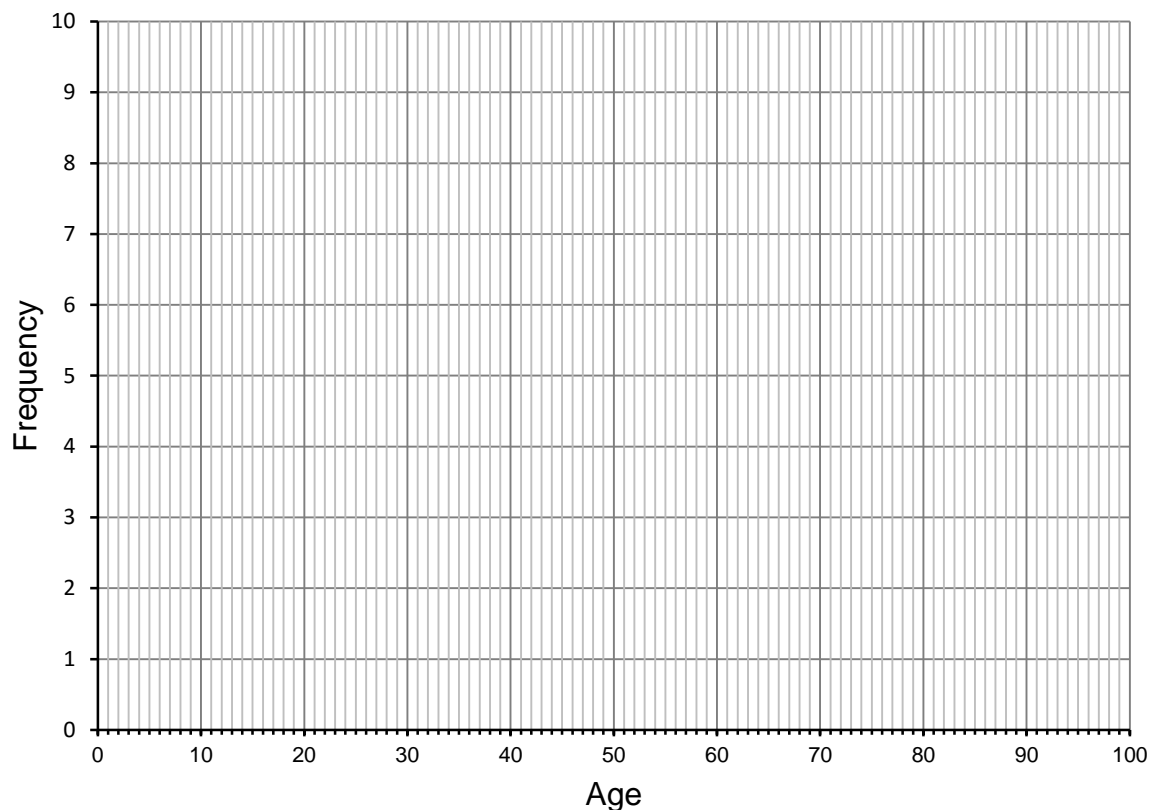
2, 2, 4, 7, 14, 16, 16, 17, 19, 21, 28, 34, 36, 38, 45, 52, 63, 79, 82, 93.

She decided to draw a bar chart for this data. She wasn't sure what categories to use, so she tried it three different ways.

Fill in the frequencies.

Draw the bar chart.

Age (years)	Frequency
$0 < \text{age} \leq 12$	
$12 < \text{age} \leq 18$	
$18 < \text{age} \leq 35$	
$35 < \text{age} \leq 60$	
$60 < \text{age} \leq 100$	



## Sports Centre (C)

Last Tuesday, 20 people visited the local Sports Centre.

Sharifah wrote down the age in years of each person:

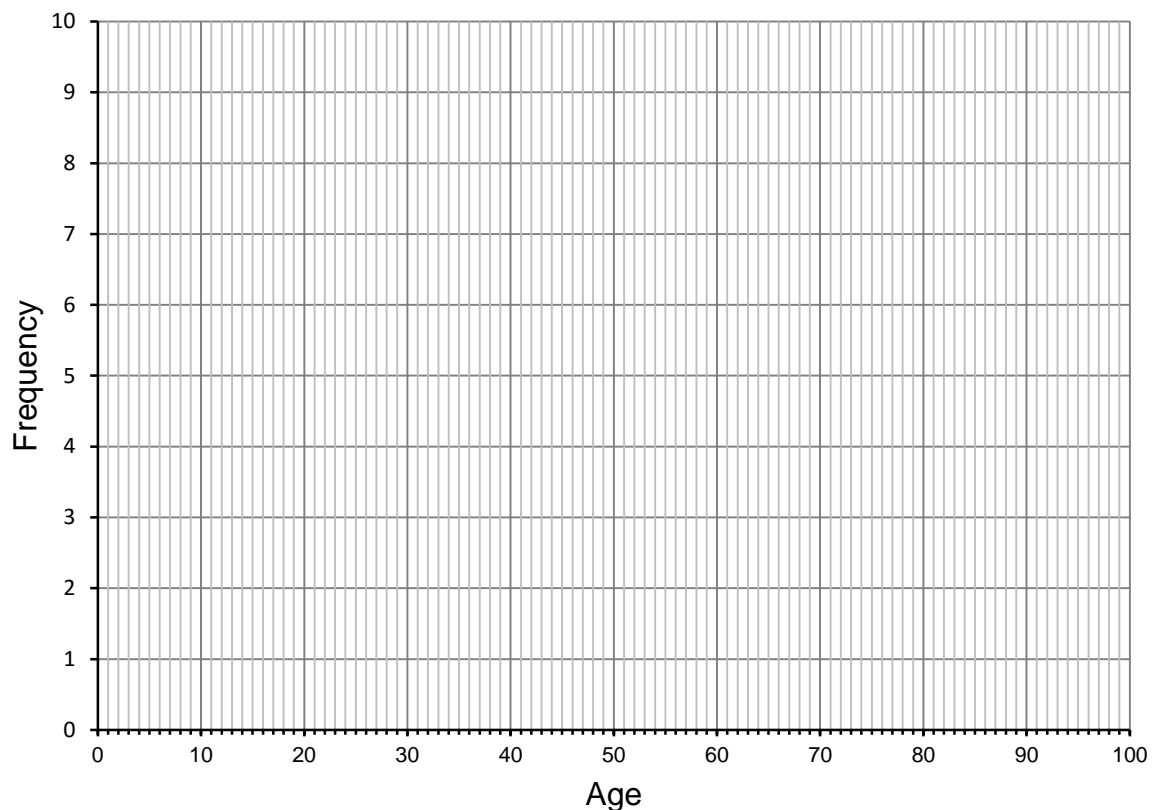
2, 2, 4, 7, 14, 16, 16, 17, 19, 21, 28, 34, 36, 38, 45, 52, 63, 79, 82, 93.

She decided to draw a bar chart for this data. She wasn't sure what categories to use, so she tried it three different ways.

Fill in the frequencies.

Draw the bar chart.

Age (years)	Frequency
$0 < \text{age} \leq 3$	
$3 < \text{age} \leq 15$	
$15 < \text{age} \leq 20$	
$20 < \text{age} \leq 40$	
$40 < \text{age} \leq 100$	



# Sports Centre

Last Tuesday, 20 people visited the local Sports Centre.

Sharifah wrote down the age in years of each person:

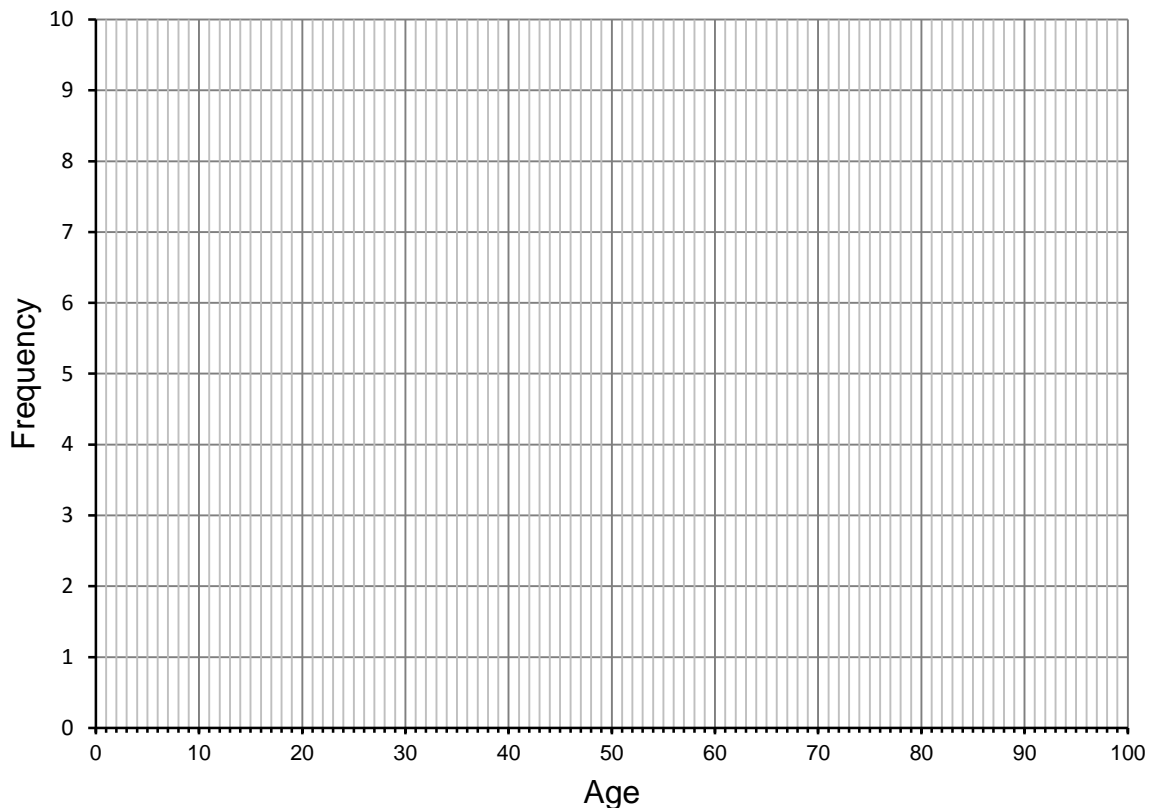
2, 2, 4, 7, 14, 16, 16, 17, 19, 21, 28, 34, 36, 38, 45, 52, 63, 79, 82, 93.

She decided to draw a bar chart for this data. She wasn't sure what categories to use, so she tried it three different ways.

Choose the categories and fill in the frequencies.

Draw the bar chart.

Age (years)	Frequency
< age ≤	
< age ≤	
< age ≤	
< age ≤	
< age ≤	



# Histograms

Here are the ages of the 20 people who visited the Sports Centre.

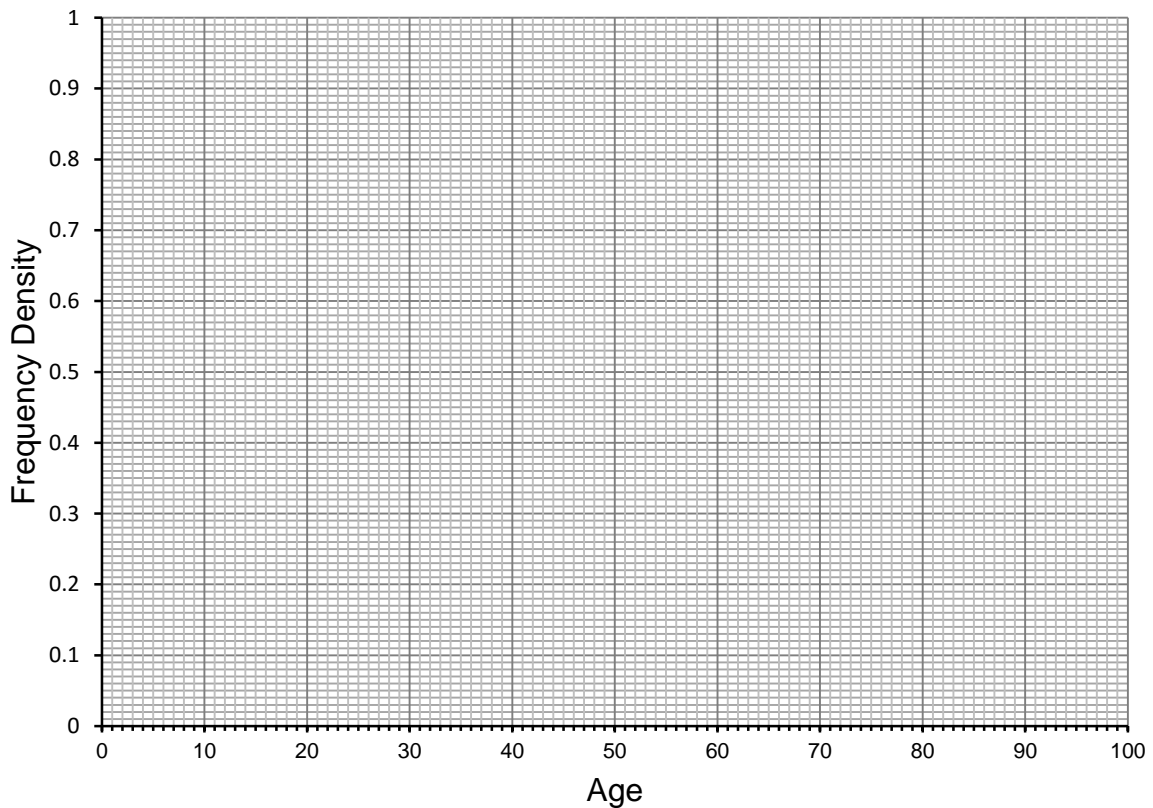
2, 2, 4, 7, 14, 16, 16, 17, 19, 21, 28, 34, 36, 38, 45, 52, 63, 79, 82, 93.

This time Sharifah decided to draw a *histogram*.

Use the same categories you used before.

Fill in the frequency densities and draw the histogram.

Age (years)	Frequency	Frequency Density
< age ≤		
< age ≤		
< age ≤		
< age ≤		
< age ≤		



In what ways does the histogram look different from the bar chart? Why?