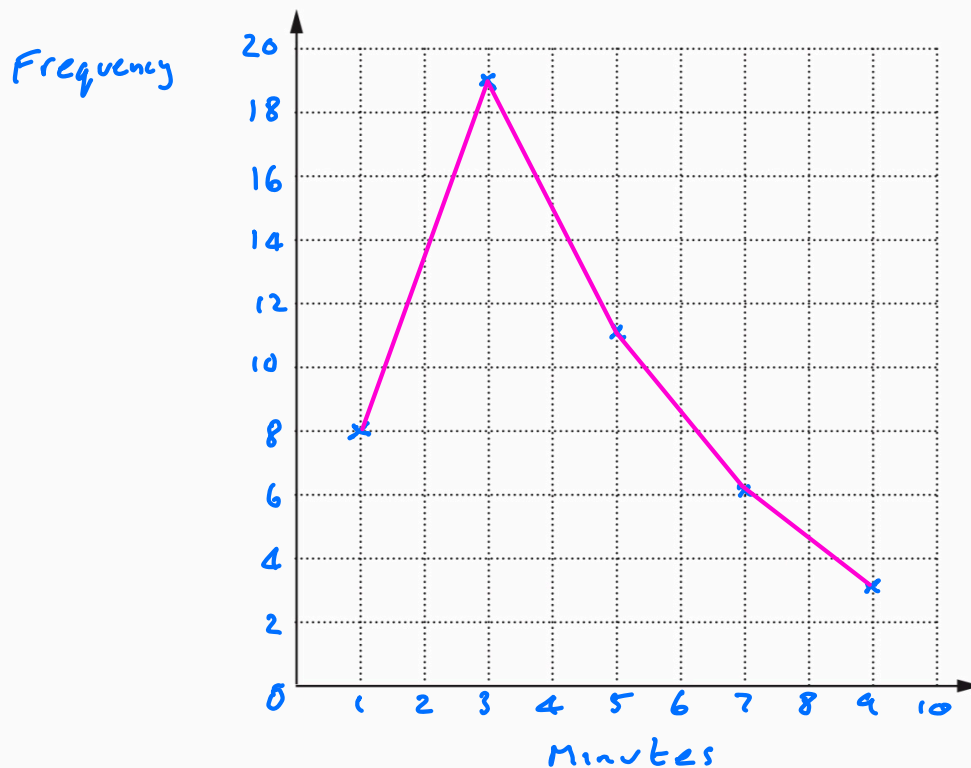# FREQUENCY POLYGONS

4

3 **(a)** The table shows the distribution of waiting times (in minutes) that customers spent at the checkout of a supermarket.

Waiting time (minutes)	Frequency
0 up to 2	8
2 up to 4	19
4 up to 6	11
6 up to 8	6
8 up to 10	3

(i) Draw a grouped frequency diagram to show this information. Show your scales and label your axes clearly.

Frequency

20
18
16
14
12
10
8
6
4
2
0

1 2 3 4 5 6 7 8 9 10

Minutes

[3]

Notes

1. Plot at the midpoint of each interval

2. Join adjacent points with straight line segments

3. Do not join up end points. A frequency polygon is not a polygon!