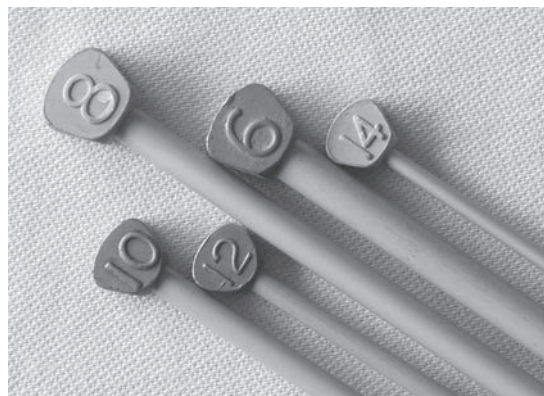
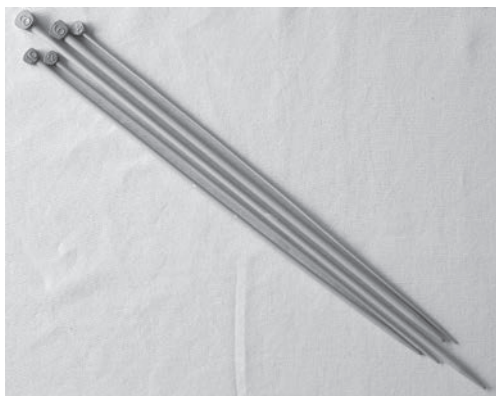


(b) The student finds more knitting needles, some of which are shown in the photographs.

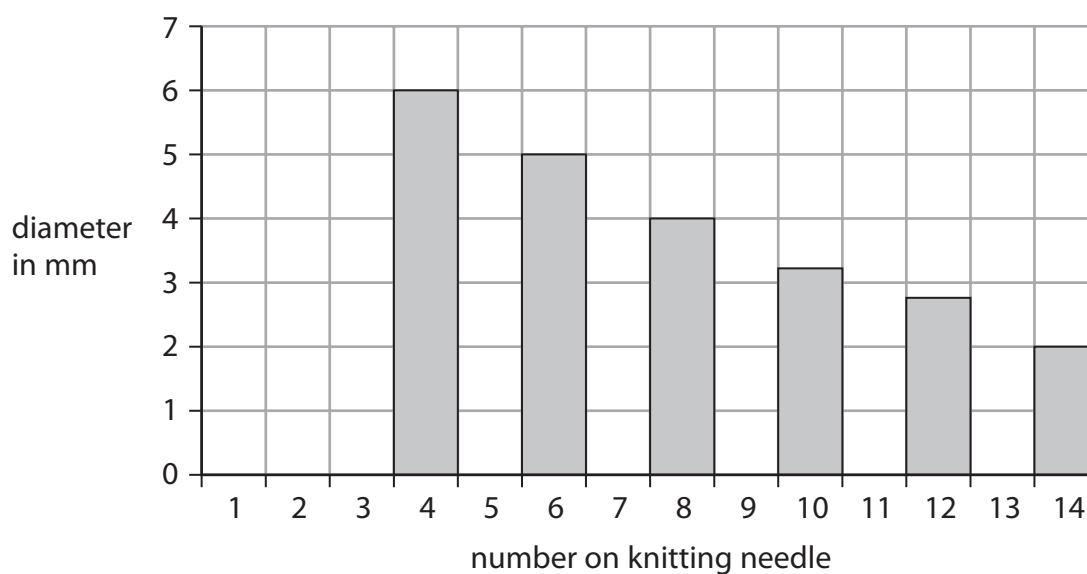


Each knitting needle is marked with a number that indicates its size.

Each number corresponds to a set diameter, as shown in the table.

Number on knitting needle	Diameter in mm
14	2.00
12	2.75
10	3.25
8	4.00
6	5.00
4	6.00

The student displays this data as a chart.



(i) Name the type of chart used by the student.

(1)

(ii) Explain why the data is best displayed using this chart rather than another type of graph.

(2)

(iii) Describe the relationship between the number on a knitting needle and its diameter.

(2)

(c) The knitting needles are not uniform in shape.

Describe how the student could measure the volume of a non-uniform shape.

(4)

(Total for Question 6 = 13 marks)



P 4 4 2 5 0 A 0 1 3 3 2