BAR CHARTS

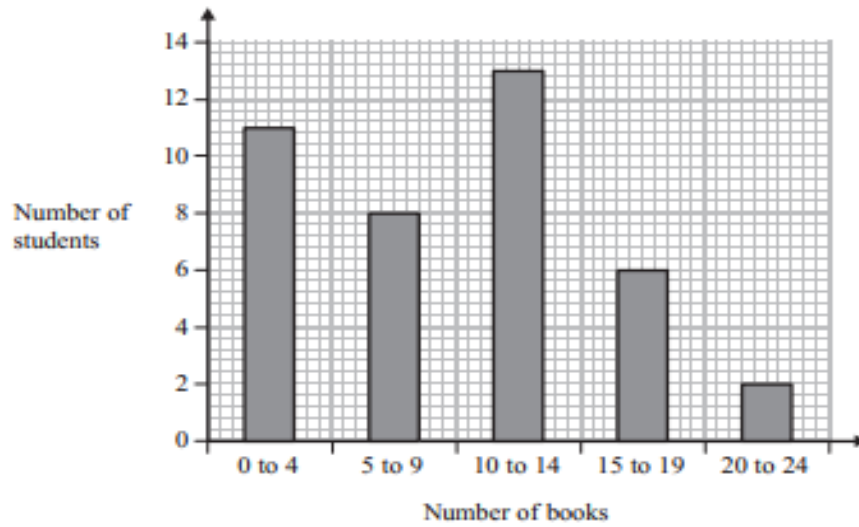**Pearson Edexcel - Monday 12 November 2018 - Paper 3 (Calculator) Higher Tier**

1.

4   Fran asks each of 40 students how many books they bought last year.

The chart below shows information about the number of books bought by each of the 40 students.

(a) Work out the percentage of these students who bought 20 or more books.

....%

(2)

(b) Show that an estimate for the mean number of books bought is 9.5
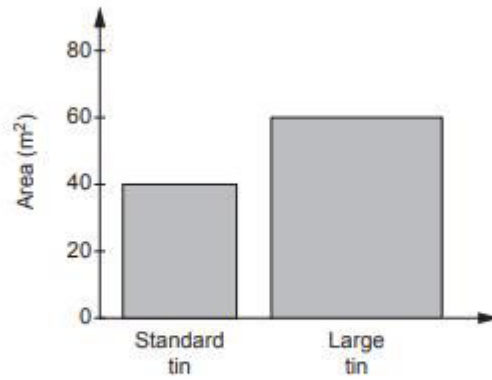   You must show all your working.

(4)

(Total for Question 4 is 6 marks)

OCR GSCE – Tuesday 12 June 2018 – Paper 6 (Calculator) Higher Tier

2.

18 Percy sells paint in standard tins and large tins.
The standard tin covers $40\,m^2$ and the large tin covers $60\,m^2$.

(a) Percy publishes this chart showing the area that can be covered with each tin of paint.

Explain why the chart is misleading.

....

.... **[1]**

(b) The standard tin and the large tin are mathematically similar.
The **volume** of the large tin is 50% more than the volume of the standard tin.
Both tins are cylinders.
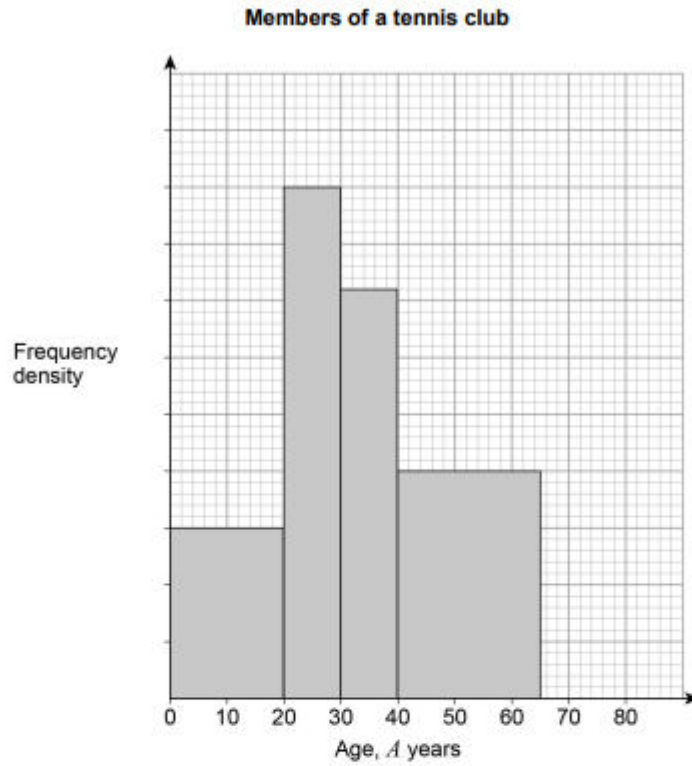The radius of the standard tin is 10 cm.

Calculate the radius of the large tin.

(b) .... cm **[4]**

3.

23   Here is some information about a tennis club.

Members of a tennis club

Age, A years

There are 30 members with $A < 20$

There are 12 members with $65 \leqslant A < 80$

There are no members with $A \geqslant 80$

23 (a)   Complete the histogram.

[3 marks]

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23 (b)   Work out the total number of members of the club.

[2 marks]

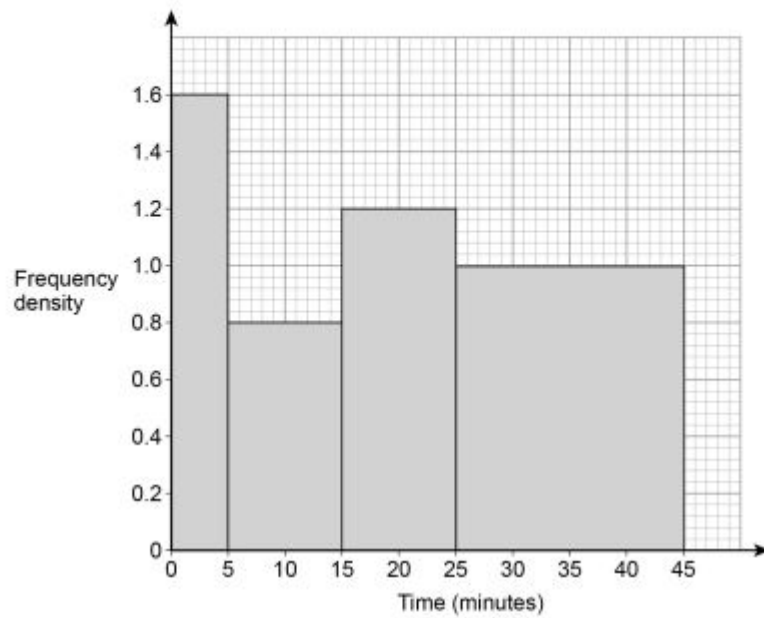_____

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Answer _____

AQA GSCE – Thursday 8 June 2017 – Paper 2 (Calculator) Higher Tier

4.

24 48 students completed some homework.

This histogram shows information about the times taken.

Work out an estimate of the interquartile range.
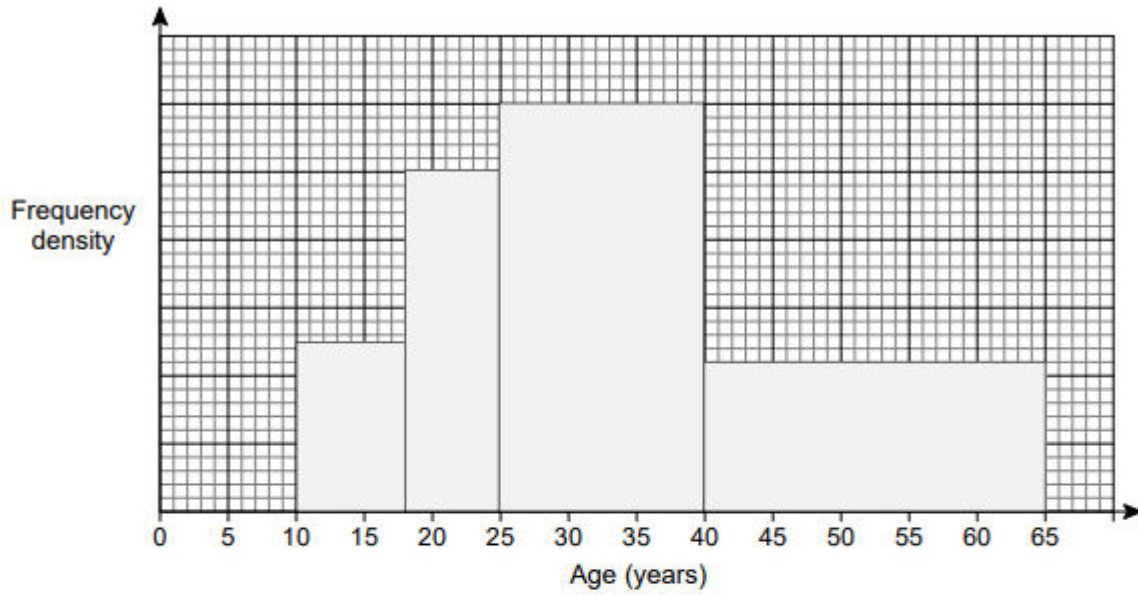
You **must** show your working.

[4 marks]

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Answer _____ minutes

5.

22   The histogram shows the ages, in years, of members of a chess club.

There are 22 members with ages in the range $40 \leqslant$ age < 65

Work out the number of members with ages in the range $25 \leqslant$ age < 40

[4 marks]

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        Answer _____