



CSEE- Basic Maths

Statistics

Questions and Answers

Videos with expert tutorials on each topic

CSEE Basic Maths

Revision Topic: Statistics

Section B

Lesson 12: (Revision Week 5)

Instructions: Complete this worksheet and watch this revision video simultaneously on

www.mathsmemory.co.uk/International

Pause and Play the video unlimited times to review your work and write the answers in the blank spaces.

Once you have written your answers, check these with the tutorial answers, as explained in the video.

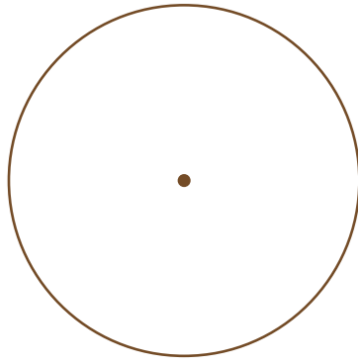
Self Assess yourself (Out of 10) on your **revision planner** after you have completed the revision video .

Question 1

The table below shows information about the hobbies of 30 students in their final year.

Hobbies	Number of Students	
Football	8	
Netball	11	
Cricket	4	
Tennis	7	

Draw an accurate pie chart to represent this information.



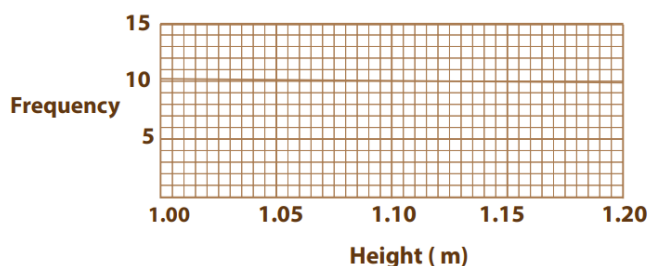
Bronze

Question 2

The table below shows information about the heights of 40 primary school pupils.

Heights (m)	Frequency
$1.00 < h \leq 1.05$	12
$1.05 < h \leq 1.10$	15
$1.10 < h \leq 1.15$	8
$1.15 < h \leq 1.20$	5

a) Draw a frequency polygon for the information in the table.



Bronze

Question 3

The table below shows information about the shoe size's taken from a primary school class.

Shoe Size	Frequency
1	12
2	17
3	6
4	5

a) Find the modal shoe size.

b) Find the median shoe size.

c) Find the mean shoe size.

Bronze

Question 4

The table below shows information about the time it took a class of pupils to complete a puzzle.

Time (minutes)	Frequency
$0 < x \leq 10$	6
$10 < x \leq 20$	13
$20 < x \leq 30$	12
$30 < x \leq 40$	9

a) Work out an estimate for the mean time.

b) Find the class interval that contains median.

SILVER



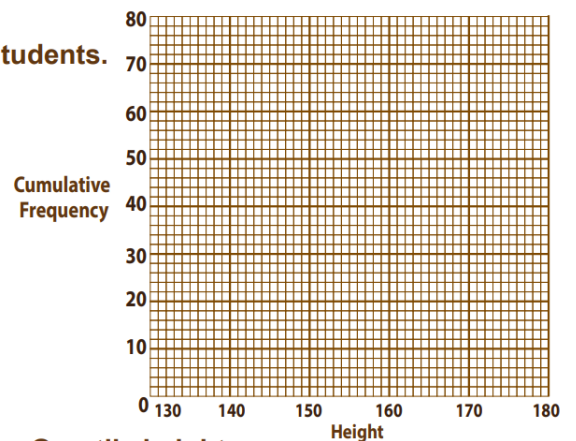
Calculator

Question 5

The table below shows information about the heights of 80 students.

a) Draw a cumulative frequency graph from the table.

Height (h cm)	Number of Students
$130 < h \leq 140$	8
$140 < h \leq 150$	11
$150 < h \leq 160$	23
$160 < h \leq 170$	32
$170 < h \leq 180$	6



Use your graph to estimate the following :

b) Median height

c) Lower Quartile height

d) Upper Quartile height

e) Interquartile range

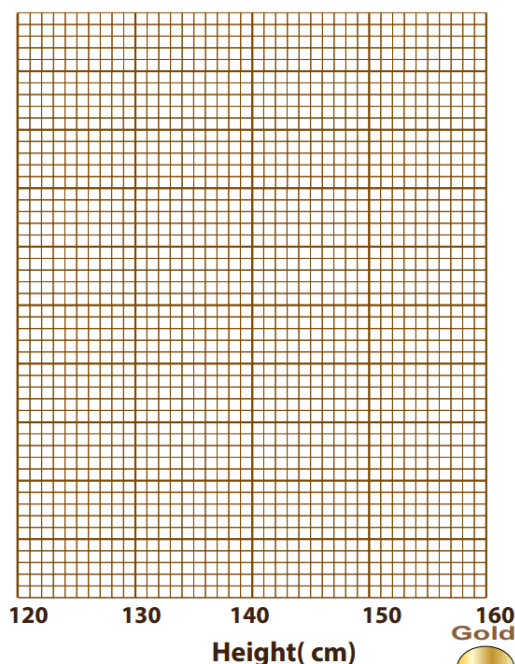
SILVER



The frequency table below shows the heights of 30 students.

Height (cm)	Frequency
$120 < h \leq 130$	9
$130 < h \leq 135$	3
$135 < h \leq 140$	4
$140 < h \leq 160$	14

Frequency
Density

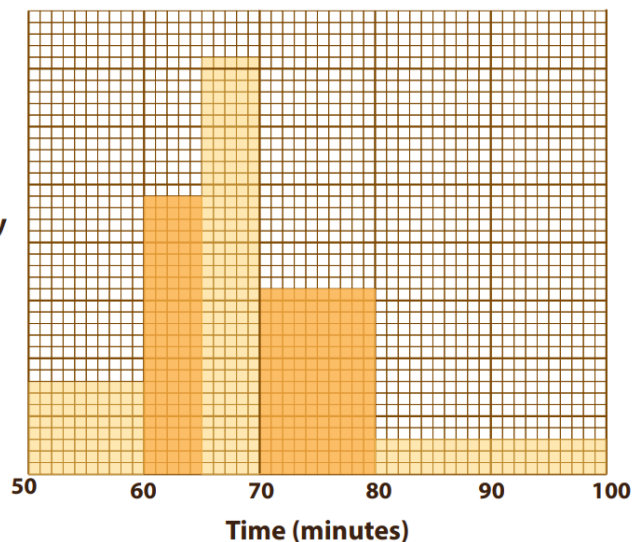


- a) On the grid, represent this information on a histogram.
- b) Work out an estimate for the fraction of students who have a height between 130 - 140 cm.

The histogram shows information about the time taken by athletes to complete a race(minutes)

- a) 8 athletes took 60 minutes or less to complete the race.
Calculate the median (2 decimal places)

Frequency
Density



Platinum