Up the Warm UP Do #1 and #2 only These are questions from past IB math Studies exams.

> HW QUESTIONS Should have already checked your answers from Solutions on the website.

the frequency histogram for the distribution of the time, t, in minutes of calls that Helen made last week. Time (minutes)

(a) Complete the frequency table for this distribution.

Time (minutes)	Number of telephone calls
2,5 0 <t≤5< td=""><td>12</td></t≤5<>	12
7.5 5 <t 10<="" \le="" td=""><td>V</td></t>	V
[2.5 10 <t≤15< td=""><td>6</td></t≤15<>	6
\\rightarrow\sigma 15 <t\leq 20<="" td=""><td>8</td></t\leq>	8

Write down the modal class. (b)

(d)

< t < 5

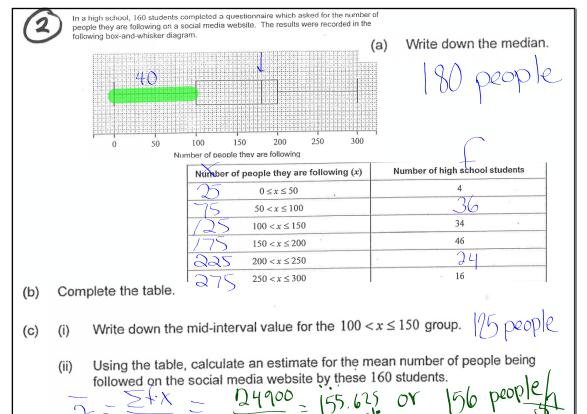
Use your graphic display calculator to find an estimate for the mean time.

[1 mark]

- Write down the mid interval value of the $10 < t \le 15$ class. 2.5 mi Nutes (c)
- [1 mark]

[2 marks]

$$\chi = \frac{275}{30} = 9.17$$



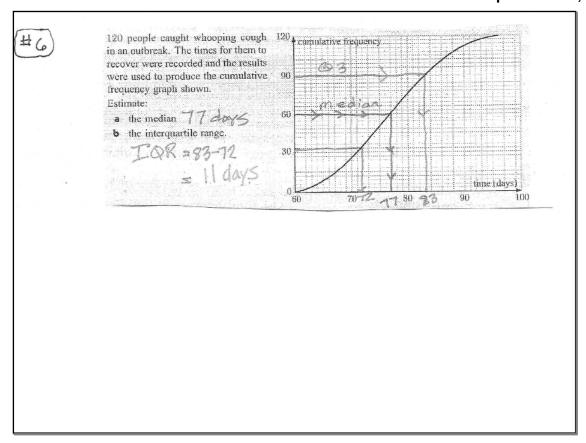
<u>Agenda</u>

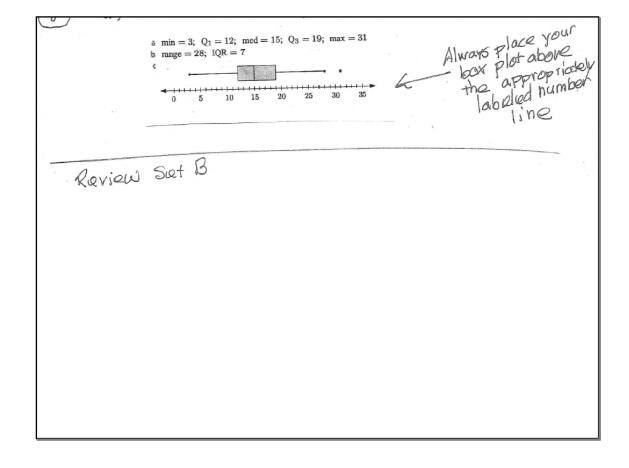
- Questions on Homework
- 2 See your LCQ's
- 3 Protocol for tests
- An introduction to the IB Math Studies project (Internal Assessment)



Review Day 1 Assignment - Review Set A

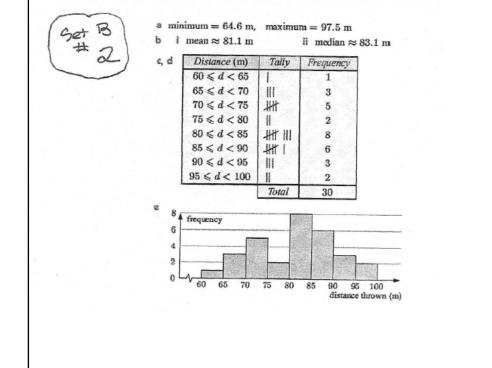
(#3)
$$a + (2+5+4+1+2+3+5) = 3$$
 $a + 22 = 24$
 $a = 2$

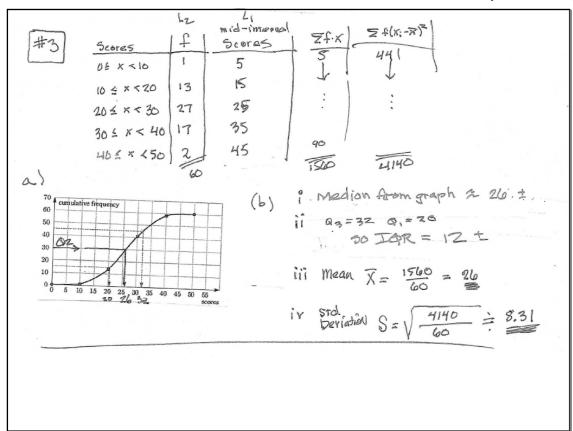


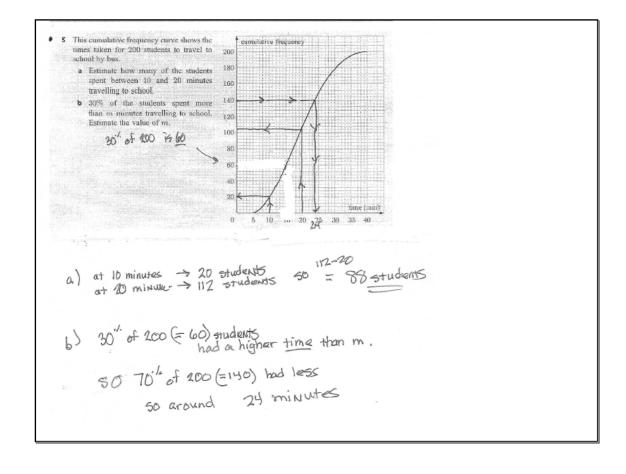


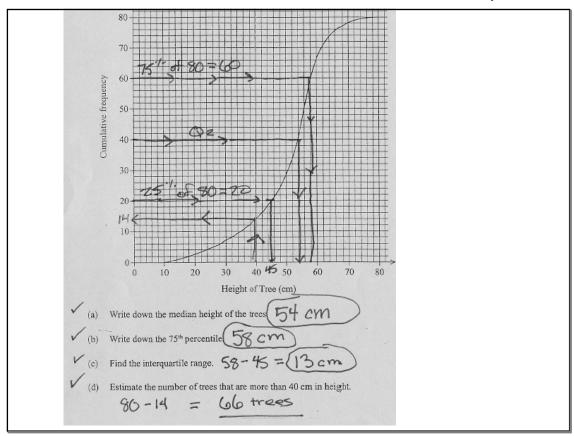
Review Sut B

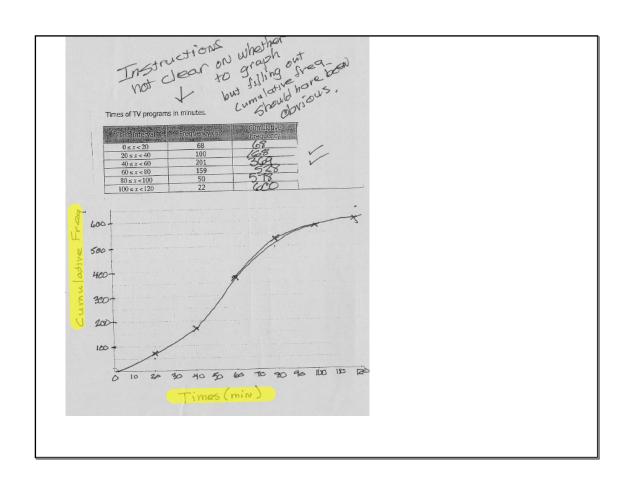
- a quantitative continous b categorical c categorical d quantitative continous
 - f quantitative discrete g categorical











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Sta	Staple on top of your HW, with the most recent assignment, <u>last</u> . I reserve the right to adjust scores if they are found to be incorrectly <u>marked.Turn</u> in the packet on test day to avoid a 40% penalty.								
mee	Treetly mi	Totals:/							

Protocol for Tests

Make sure your batteries are fresh (or charged).

No bathroom trips during the test.

We'll start the test immediately.

Finish by end of the period.

Absolutely no cell phones during the entire class.

There will be an assignment after. Work quietly.

I am available for help after school today and tomorrow morning.

Generally I would like you to finish the test in one single sitting. If you run out of time, I will give you a few extra minutes at lunch. See me today if you have special concerns about this.

IB Math Studies Project

(Internal Assessment)

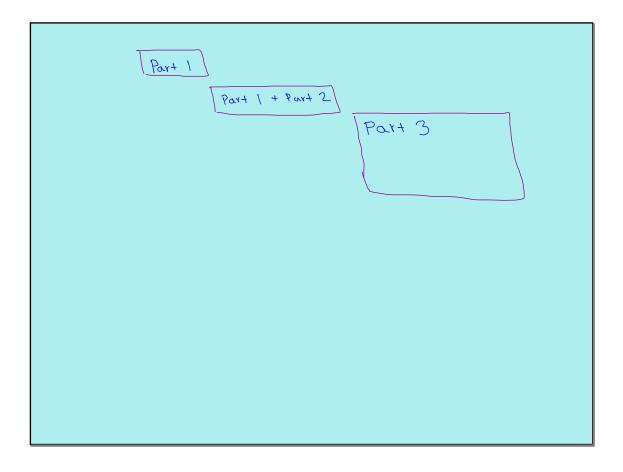
First 3 Units

Descriptive Stats

Normal Distrib

Stat Applications

examples

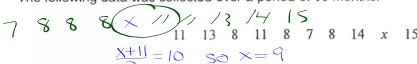


An example project Overview

Now do Warm Up #3 and 4



Each month the number of days of rain in Cardiff is recorded. The following data was collected over a period of 10 months.



For these data the median number of days of rain per month is 10,

- Find the value of x. $\chi = \frac{1}{2} (x x)^2$
- (b)
 - 5 = 2.69 days the standard deviation; (i)
 - (ii) the interquartile range.

Ancwares
Answers:

- - (ii)



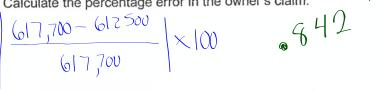
Each year the soccer team, Peterson United, plays 25 games at their home stadium. The owner of Peterson United claimed that last year the mean attendance per game at their home stadium was 24 500.

Based on the owner's claim, calculate the total attendance for the games at Peterson United's home stadium last year.

 $\frac{570 L}{25} = 24,500$ 101a = 612,500

The actual total attendance last year was 617700.

Calculate the percentage error in the owner's claim.



Write down your answer to part (b) in the form $a \times 10^k$ where $1 \le a < 10$, $k \in \mathbb{Z}$.

Assignment before Wednesday

Go to the class website....

.... to "IB-Math Project Support"

.... to "Project Handouts"....

1

Read "P2-Collecting Information"

Browse Project Resources

