

Averages from Grouped Data



Give answers to 2 decimal places where necessary.

Section A

Work out the modal class, median class and an estimate of the mean for the following data.

Weight (kg)	Frequency
40 - 49	13
50 - 59	28
60 - 69	37
70 - 79	44
80 - 89	21

Estimate of the mean:

Modal class:

Median class:

Distance (d km)	Frequency
$0 \leq d < 15$	2
$15 \leq d < 30$	7
$30 \leq d < 45$	19
$45 \leq d < 60$	30
$60 \leq d < 75$	1

Estimate of the mean:

Modal class:

Median class:

Section B

The daily rainfall, in millimetres, was recorded over a one month period and the results are shown in the frequency table.

Rainfall (mm)	Frequency
0 - 10	2
10 - 20	6
20 - 30	7
30 - 40	11
40 - 50	5

- 1) Estimate the amount of rainfall there was over the one month period.
- 2) As a percentage, how much of the month had more than 30 mm of rainfall?
- 3) Which is the modal class?
- 4) In which class is the median value?
- 5) Work out an estimate of the mean.
- 6) During the following month there were two days of heavy rainfall. Which average would you choose to represent the amount of rainfall in the following month?

Mean Range Quartile Work Sheet

Michael Smith

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the name bar.

Mean Range Quartile Work Sheet:

The Top Books of the Year Mean Range Quartile Work Sheet The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous captivating novels enthralling the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the fascinating narratives that have charmed audiences this year. Mean Range Quartile Work Sheet : Colleen Hoover's "It Ends with Us" This heartfelt tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover skillfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Mean Range Quartile Work Sheet : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This captivating historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids captivating storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens "Where the Crawdads Sing" This evocative coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens weaves a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These bestselling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of engaging stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and gripping novel that will keep you guessing until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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