Averages from Grouped Frequency Tables GREEN

Q1. The table gives some information about the lengths of time, in hours, that some adults watched TV last week.

|  |  |
| --- | --- |
| **Length of time ( hours)** | **Frequency** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

a) Write down the modal class.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Work out the class in which the median lies.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) Calculate an estimate for the mean.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q2. The table shows some information about the prices of 64 second-hand cars that are for sale.

|  |  |
| --- | --- |
| **Price (£)** | **Frequency** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

a) Write down the modal class.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Work out the class in which the median lies.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) Calculate an estimate for the mean.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q3. The table shows some information about the times, in minutes, 60 people took to get to work.

|  |  |
| --- | --- |
| **Time ( minutes)** | **Frequency** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

a) Write down the modal class.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Work out the class in which the median lies.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) Calculate an estimate for the mean.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q4. The table shows information about the ages of 90 employees in a factory.

|  |  |
| --- | --- |
| **Age ( years)** | **Frequency** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

a) Write down the modal class.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Work out the class in which the median lies.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) Calculate an estimate for the mean.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Averages from Grouped Frequency Tables AMBER

Q1. The table gives some information about the lengths of time, in hours, that some adults watched TV last week.

|  |  |  |  |
| --- | --- | --- | --- |
| **Length of time ( hours)** | **Frequency** | **Midpoint** |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

a) Write down the modal class.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Work out the class in which the median lies.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) Calculate an estimate for the mean.

Estimate for total number of hours ÷ total number of adults

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q2. The table shows some information about the prices of 64 second-hand cars that are for sale.

|  |  |  |  |
| --- | --- | --- | --- |
| **Price (£)** | **Frequency** | **Midpoint** |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

a) Write down the modal class.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Work out the class in which the median lies.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) Calculate an estimate for the mean.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q3. The table shows some information about the times, in minutes, 60 people took to get to work.

|  |  |  |  |
| --- | --- | --- | --- |
| **Time ( minutes)** | **Frequency** | **Midpoint** |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

a) Write down the modal class.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Work out the class in which the median lies.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) Calculate an estimate for the mean.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q4. The table shows information about the ages of 90 employees in a factory.

|  |  |  |  |
| --- | --- | --- | --- |
| **Age ( years)** | **Frequency** | **Midpoint** |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

a) Write down the modal class.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Work out the class in which the median lies.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) Calculate an estimate for the mean.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Averages from Grouped Frequency Tables RED

Q1. The table gives some information about the lengths of time, in hours, that some adults watched TV last week.

|  |  |  |  |
| --- | --- | --- | --- |
| **Length of time ( hours)** | **Frequency** | **Midpoint** |  |
|  |  | 5 | 40 |
|  |  | 12.5 | 187.5 |
|  |  | 17.5 |  |
|  |  |  |  |
|  |  |  |  |

a) Write down the modal class. (most frequent)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Work out the class in which the median lies. (middle value)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) Calculate an estimate for the mean.

Estimate for total number of hours ÷ total number of adults

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q2. The table shows some information about the prices of 64 second-hand cars that are for sale.

|  |  |  |  |
| --- | --- | --- | --- |
| **Price (£)** | **Frequency** | **Midpoint** |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

a) Write down the modal class.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Work out the class in which the median lies.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) Calculate an estimate for the mean.

Estimate for total number of pounds ÷ total number of cars

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q3. The table shows some information about the times, in minutes, 60 people took to get to work.

|  |  |  |  |
| --- | --- | --- | --- |
| **Time ( minutes)** | **Frequency** | **Midpoint** |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

a) Write down the modal class.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Work out the class in which the median lies.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) Calculate an estimate for the mean.

Estimate for total number of minutes ÷ total number of people

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q4. The table shows information about the ages of 90 employees in a factory.

|  |  |  |  |
| --- | --- | --- | --- |
| **Age ( years)** | **Frequency** | **Midpoint** |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

a) Write down the modal class.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Work out the class in which the median lies.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) Calculate an estimate for the mean.

Estimate for total number of years ÷ total number of employees

\_\_\_\_\_\_\_\_\_\_\_\_\_\_