**Crack the Code**

**Mean from a Frequency Table**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A** | Find the mean test score.

|  |  |
| --- | --- |
| **Test Mark** | **Frequency** |
| 7 | 6 |
| 8 | 7 |
| 9 | 5 |
| 10 | 2 |

 | **B** | Find the mean goals scored.

|  |  |
| --- | --- |
| **Number of goals** | **Frequency** |
| 0 | 4 |
| 1 | 8 |
| 2 | 5 |
| 3 | 3 |

 |
| **C** | Find the mean age of the students.

|  |  |
| --- | --- |
| **Age (y)** | **Frequency** |
| 11 | 6 |
| 12 | 7 |
| 13 | 8 |
| 14 | 4 |

 | **D** | Find the mean number of pets.

|  |  |
| --- | --- |
| **Number of pets** | **Frequency** |
| 0 | 11 |
| 1 | 15 |
| 2 | 3 |
| 3 | 1 |

 |
| **E** | Find the mean shoe size.

|  |  |
| --- | --- |
| **Shoe size** | **Frequency** |
| 4 | 3 |
| 5 | 7 |
| 6 | 6 |
| 7 | 4 |

 | **F** | Find the mean age of the children.

|  |  |
| --- | --- |
| **Age (y)** | **Frequency** |
| 6 | 1 |
| 7 | 1 |
| 8 | 3 |
| 9 | 5 |

 |
| **G** | Find the mean number of children.

|  |  |
| --- | --- |
| **No. of children** | **Frequency** |
| 0 | 5 |
| 1 | 8 |
| 2 | 11 |
| 3 | 6 |

 | **H** | Find the mean test score.

|  |  |
| --- | --- |
| **Score** | **Frequency** |
| 7 | 8 |
| 8 | 7 |
| 9 | 12 |
| 10 | 3 |

 |
| **I** | Find an estimate of the mean.

|  |  |
| --- | --- |
| **Number of messages** | **Frequency** |
| 0 - 4 | 5 |
| 5 - 9 | 8 |
| 10 - 14 | 4 |
| 15 - 19 | 3 |

 | **J** | Find an estimate of the mean weight.

|  |  |
| --- | --- |
| **Weight (g)** | **Frequency** |
| $$0<w\leq 10$$ | 2 |
| $$10<w\leq 20$$ | 4 |
| $$20<w\leq 30$$ | 3 |
| $$30<w\leq 40$$ | 1 |

 |
| **K** | Find an estimate of the mean time.

|  |  |
| --- | --- |
| **Time (min)** | **Frequency** |
| $$0<t\leq 2$$ | 4 |
| $$2<t\leq 4$$ | 9 |
| $$4<t\leq 6$$ | 0 |
| $$6<t\leq 8$$ | 7 |

 | **L** | Find an estimate of the mean height.

|  |  |
| --- | --- |
| **Height (cm)** | **Frequency** |
| $$100<h\leq 120$$ | 6 |
| $$120<h\leq 140$$ | 6 |
| $$140<h\leq 160$$ | 6 |
| $$160<h\leq 180$$ | 2 |

 |
| **M** | Find an estimate of the mean cost.

|  |  |
| --- | --- |
| **Cost (p)** | **Frequency** |
| $$10<C\leq 20$$ | 5 |
| $$20<C\leq 30$$ | 8 |
| $$30<C\leq 40$$ | 4 |
| $$40<C\leq 50$$ | 3 |

 | **N** | Find an estimate of the mean weight.

|  |  |
| --- | --- |
| **Weight (g)** | **Frequency** |
| $$100<w\leq 150$$ | 1 |
| $$150<w\leq 200$$ | 3 |
| $$200<w\leq 250$$ | 4 |
| $$250<w\leq 300$$ | 2 |

 |
| **O** | Find an estimate of the mean length.

|  |  |
| --- | --- |
| **Length (cm)** | **Frequency** |
| $$10<l\leq 20$$ | 15 |
| $$20<l\leq 30$$ | 14 |
| $$30<l\leq 40$$ | 11 |
| $$40<l\leq 50$$ | 10 |

 | **P** | Find an estimate of the mean height.

|  |  |
| --- | --- |
| **Height (cm)** | **Frequency** |
| $$20<C\leq 30$$ | 10 |
| $$30<C\leq 40$$ | 16 |
| $$40<C\leq 50$$ | 13 |
| $$50<C\leq 60$$ | 11 |

 |
| Add together all your answers and round to the nearest integer to get the three-digit code. |