**Case Study #1 (Weighted Mean)**

George achieved the following marks in his Math class:

|  |  |
| --- | --- |
| **Course Work** | **George’s Mark (%)** |
| Quizzes | 87 |
| Exams | 81 |
| Final Exam | 53 |

George’s teacher is considering using one of the following weighting schemes:

*Weighting Scheme #1 Weighting Scheme #2*

|  |  |
| --- | --- |
| **Course Work** | **Weighting** |
| Quizzes | 25 |
| Exams | 50 |
| Final Exam | 25 |

|  |  |
| --- | --- |
| **Course Work** | **Weighting** |
| Quizzes | 20 |
| Exams | 30 |
| Final Exam | 50 |

**Assignment**

1. Which weighting scheme do you think George would be happiest with?
2. Calculate George’s mark for each of the weighting schemes and compare the marks.

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Work** | **Weighting #1** | **Mark** | **Product of Weighting & Mark** |
| Quizzes |  |  |  |
| Exams |  |  |  |
| Final Exam |  |  |  |
| Totals |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Work** | **Weighting #2** | **Mark** | **Product of Weighting & Mark** |
| Quizzes |  |  |  |
| Exams |  |  |  |
| Final Exam |  |  |  |
| Totals |  |  |  |

**Case Study #2 (Weighted Mean)**

Jenny achieved the following marks in her Math class:

|  |  |
| --- | --- |
| **Course Work** | **Jenny’s Mark (%)** |
| Quizzes | 59 |
| Exams | 63 |
| Final Exam | 87 |

Jenny’s teacher is considering using one of the following weighting schemes:

*Weighting Scheme #1 Weighting Scheme #2*

|  |  |
| --- | --- |
| **Course Work** | **Weighting** |
| Quizzes | 25 |
| Exams | 50 |
| Final Exam | 25 |

|  |  |
| --- | --- |
| **Course Work** | **Weighting** |
| Quizzes | 20 |
| Exams | 30 |
| Final Exam | 50 |

**Assignment**

1. Which weighting scheme do you think Jenny would be happiest with?
2. Calculate Jenny’s mark for each of the weighting schemes and compare the marks.

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Work** | **Weighting #1** | **Mark** | **Product of Weighting & Mark** |
| Quizzes |  |  |  |
| Exams |  |  |  |
| Final Exam |  |  |  |
| Totals |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Work** | **Weighting #2** | **Mark** | **Product of Weighting & Mark** |
| Quizzes |  |  |  |
| Exams |  |  |  |
| Final Exam |  |  |  |
| Totals |  |  |  |