

# Unit 4 Math Liberal Arts Project – Rubric

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Total Points: 100

Criteria	Excellent	Proficient	Developing	Needs Improvement
Completion of All Questions (20 points)	20 pts: All 10 questions are answered thoroughly and completely.	15 pts: 1–2 questions are incomplete or missing.	10 pts: 3–4 questions are incomplete or missing.	5 pts: More than 4 questions are incomplete.
Accuracy of Answers (30 points)	30 pts: All answers are correct and demonstrate strong understanding of number representation and base calculations.	25 pts: Most answers are correct with only minor errors.	15 pts: Several incorrect answers that show partial understanding.	5 pts: Many incorrect answers with major errors.
Calculations and Work Shown (20 points)	20 pts: All calculations are shown clearly with accurate steps and logical explanations.	15 pts: Most calculations are shown, but with some errors or gaps.	10 pts: Some problems lack clear steps or calculations are incorrect.	5 pts: Minimal attempt at showing work; steps are unclear or incomplete.
Application of Base Systems and Operations (20 points)	20 pts: Correct use of base systems (conversions, addition, subtraction, multiplication) and strong understanding of rules.	15 pts: Most base system operations are correct with few mistakes.	10 pts: Partial understanding of base systems with several errors.	5 pts: Most base system operations are incorrect or incomplete.
Presentation and Formatting (10 points)	10 pts: Work is neat, logically organized, and submitted as instructed (Word or PDF).	8 pts: Minor formatting or organizational issues.	5 pts: Several formatting issues but still readable.	2 pts: Work is poorly organized or hard to follow.

