Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_ L

**6th Grade Unit 2: Ratios & Proportional Relationships Performance Task**

Loren and Julie have different part time jobs after school. They are both paid at a constant rate of dollars per hour. The tables below show Loren and Julie’s total income (amount earned) for working a given amount of time.

Loren:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Hours** | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 |
| **Dollars** | 18 | 36 | 54 | 72 | 90 | 108 | **?** | **?** | 162 |

Julie:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Hours** | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 |
| **Dollars** | 36 | **?** | 108 | 144 | 180 | 216 | **?** | 288 | 324 |

**Part A:** Fill in the missing values from each table:

***Show your work:***

**Answer:**

Loren:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Hours** | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 |
| **Dollars** | 18 | 36 | 54 | 72 | 90 | 108 | **\_\_\_\_** | **\_\_\_\_** | 162 |

Julie:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Hours** | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 |
| **Dollars** | 36 | **\_\_\_\_** | 108 | 144 | 180 | 216 | **\_\_\_\_** | 288 | 324 |

**Part B:** How much money does each girl earn per hour?

***Show your work:***

**Answer:** Julie: $\_\_\_\_\_\_\_\_\_\_\_/hour and Loren: $\_\_\_\_\_\_\_\_\_\_/hour

**Part C:** Each girl is saving for a new i-Pad mini. The i-Pad mini cost $350.00. How many hours will each girl need to work in order to purchase the i-Pad mini?

***Show your work:***

**Answer:** Julie: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ & Loren:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_