| **Type of Representation** | **Representation** | **How it Matches *y = 5x – 8*** |
| --- | --- | --- |
| **Phrase** | cost is $5 per day minus an $8 rebate |  |
| **Sentence** | Profit equals 5 dollars per sandwich minus 8 dollars for ingredients. |  |
| **Sequence** | −3, 2, 7, 12, 17,… |  |
| **Ordered Pairs** | (−4, −28), (−1, −13), (0, −8), (4, 12) |  |
| **Equation** | *y* = 5*x* −8 |  |
| **Table** | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | ***x*** | −2 | −1 | 0 | 1 | 2 | | ***y*** | −18 | −13 | −8 | −3 | 2 | |  |

|  |  |  |
| --- | --- | --- |
| **Graph** | *M-8-7-1-5x-8.tif* |  |
| **Situation** | I owed a friend 8 dollars. Each day, I made 5 dollars. At the end of Day 2, I was in the clear (positive). |  |