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| **NC.4.NBT.6**  **Dividing Resources** | |
| **Domain** | Number and Operations in Base Ten |
| **Cluster** | Use place value understanding and properties of operations to perform multi-digit arithmetic. |
| **Standard(s)** | **NC.4.NBT.6** Find whole-number quotients and remainders with up to three-digit dividends and one-digit divisors with place value understanding using rectangular arrays, area models, repeated subtraction, partial quotients, properties of operations, and/or the relationship between multiplication and division. |
| **Materials** | pencil, task handout |
| **Task** | **Dividing Resources**  The school’s Parent Teacher Organization raised $936 through a fund raiser.  **Part 1:**  They divided the money evenly between the six grades at your school (Kindergarten through Fifth Grade). How much money did each grade receive?  **Part 2:**  When the fourth grade teachers received their money, they decided to spend one-third of it on field trip fees. They spent the rest on school supplies.  How much money was spent on field trip fees?  How much was spent on school supplies?  **Part 3:**  Explain how you found your answers to Part 2. |

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| **Rubric** | | |
| **Level I**  **Not Yet** | **Level II**  **Progressing** | **Level III**  **Meets Expectation** |
| Student has correct answers for 0-1 aspects of the task. | Student has correct answers for 2-3 aspects of the task. | All answers are correct.  Part 1: 936 divided by 6 = $156  Part 2: One-third of $156 is $156 divided by 3 = $52. $52 was spent on field trip fees. The remaining $104 was spent on school supplies.  Part 3: The explanation is clear and accurate. |

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| **Standards for Mathematical Practice** |
| **1. Makes sense and perseveres in solving problems.** |
| **2. Reasons abstractly and quantitatively.** |
| 3. Constructs viable arguments and critiques the reasoning of others. |
| 4. Models with mathematics. |
| 5. Uses appropriate tools strategically. |
| **6. Attends to precision.** |
| 7. Looks for and makes use of structure. |
| 8. Looks for and expresses regularity in repeated reasoning |

**Dividing Resources**

The school’s Parent Teacher Organization raised $936 through a fund raiser.

**Part 1:**

They divided the money evenly between the six grades at Happy Elementary School (Kindergarten through Fifth Grade). How much money did each grade receive?

**Part 2:**

With the amount of money that the fourth grade teachers received, they decided to spend one-third of it on field trip fees. They spent the rest on school supplies.

How much money was spent on field trip fees?

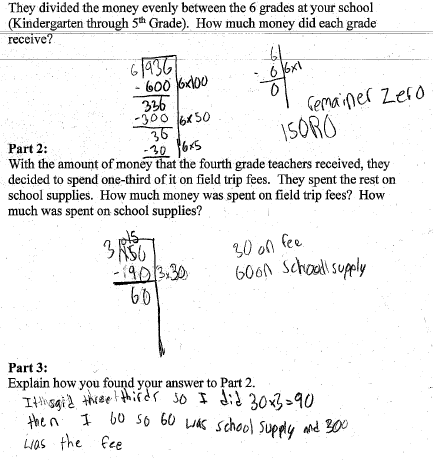
How much was spent on school supplies?

**Part 3:**

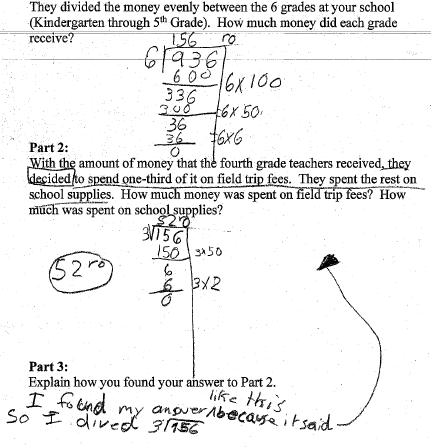
Explain how you found your answers to Part 2.

**Scoring Examples**

**Not Yet:** The student attempted a division strategy, but was unable to use the quotients to find correct answers to any part of the task.



**Progressing:** The student correctly used a division strategy to find correct answers to some parts of the task. The student did not answer both questions in Part 2 and did not provide a clear explanation in Part 3.



**Meets Expectation:** The student found correct answers for all parts of the task.

