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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.

