|  |  |  |  |
| --- | --- | --- | --- |
| **Exploring Fractions and Decimals** | | | |
| Uses counting to determine improper fractions and mixed numbers    “I counted 15 one-fourths.  Each four-fourths is one whole,  so = 3.” | Models fractions using quantities, lengths, and areas    “I took jumps on a number line to show  .” | Expresses improper fractions as mixed numbers and vice versa  = 1  “5 = 3 + 2 So,  = + , which is the same as  1 + = 1.” | Compares and orders fractions, including improper fractions and mixed numbers (e.g., using benchmarks)  , ,  = 1, = 1, = 1  “All the fractions are between  1 and 2. I compared to benchmarks:  1 is a little more than 1 and  one-half. 1 is pretty close to 2.  1 is very close to 1.  So, from least to greatest:  , 1, 1.” |
| **Observations/Documentation** | | | |
| . |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Exploring Fractions and Decimals (cont’d)** | | | |
| Represents decimal numbers to thousandths  A picture containing text, screenshot, parallel, line  Description automatically generated  “I shaded the grids to show 1.254.” | Identifies a decimal between two given decimals  2.834, ?, 2.84  “Both decimals have 2 wholes. I know 2.834 has  834 thousandths and 2.84 has  840 thousandths.  836 is between 834 and 840. So, 2.836 is between 2.834 and 2.84.” | Rounds decimals to a specified place value (e.g., nearest hundredth)  **A picture containing text, line, font  Description automatically generated**  “2.517 is closer to 2.52 than to 2.51, so I round up to 2.52.” | Flexibly compares and orders decimals  2.7, 2.649, 2.76  “I ordered the decimals from least to greatest: 2.649, 2.7, 2.76.” |
| **Observations/Documentation** | | | |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Exploring Ratios** | | | |
| Understands difference between part-part and part-whole relationships  A black butterfly silhouettes  Description automatically generated  “Butterflies to ladybugs is a part-part relationship and butterflies to all insects is a part-whole relationship.” | Expresses part-part and part-whole relationships with ratios  A black butterfly silhouettes  Description automatically generated  “Butterflies to ladybugs: 3:1,  a part-part ratio.  Butterflies to all insects: 3:4,  a part-whole ratio.” | Expresses part-whole relationships in different ways (i.e., ratios, fractions, decimals, percents)  A black butterfly silhouettes  Description automatically generated  “Butterflies to all insects:  3:4, , 0.75, 75%” | Flexibly interprets and expresses ratios to represent different situations  4:5  “A 4:5 ratio could represent a  part-part situation, such as:  A set of black stars and hearts  Description automatically generated  Or it could represent a part-whole situation, such as:”  **A star with a white background  Description automatically generated** |
| **Observations/Documentation** | | | |
| . |  |  |  |