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| **Conceptual Meaning of Whole Number Addition and Subtraction** | | |
| Recognizes addition and subtraction situations and sketches a picture to  add or subtract to 10 000.    1250 + 1167 = 2417 | Models and symbolizes ways to solve problems to 10 000.  1250 + 1167 = 2417 | Uses an understanding of place value to decompose both numbers to solve problems to 100 000.      “I added the thousands, the hundreds, the tens, and then the ones.” |
| **Observations/Documentation** | | |
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| **Conceptual Meaning of Whole Number Addition and Subtraction (cont’d)** | | |
| Uses an understanding of place value to decompose one number to solve problems  to 100 000. | Estimates to determine if answer to problem is reasonable.    59 366 – 8052 = 51 314  “I estimate 51 000 because  59 366 is close to 59 000,  8052 is close to 8000,  and 59 000 – 8000 = 51 000.  51 000 is close to 51 314,  so, my answer is reasonable.” | Creates and solves multi-step addition and subtraction problems flexibly using a variety of strategies.  Two large charities held bottle drives.  Charity A collected 28 134 bottles and  Charity B collected 14 612 bottles.  1645 were not accepted at the recycling depot. How many bottles were recycled?  “I added 28 134 + 14 612 = 42 746.  Then, 42 746 – 1645 = 41 101.  41 101 bottles were recycled.” |
| **Observations/Documentation** | | |
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