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| **Conceptual Meaning of Addition and Subtraction of Decimals** |
| Recognizes addition and subtraction situations and models concretely to add or subtract to tenths 0.7 + 0.8 = 1.5“7 tenths + 8 more tenths = 1 whole and 5 tenths” | Models and symbolizes ways to solve problems by using a number line  1.5 – 0.7 = ? | Uses an understanding of place value to add or subtract decimals with tenths (decomposes both numbers)14.6 + 27.8 = ? 14 + 27 = 41 (whole numbers) 0.6 + 0.8 = 1.4 (decimals) 41 + 1.4 = 42.4“I decomposed both numbers, added the whole numbers, then the tenths.” |
| **Observations/Documentation** |
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| **Conceptual Meaning of Addition and Subtraction of Decimals (cont’d)** |
| Uses an understanding of place value to decompose one number 14.6 + 27.8 = ?27.8 = 27 + 0.814.6 + 27 = 41.641.6 + 0.8 = 42.4“I used place value to add on the second number.” | Uses estimation and mental math strategies to check reasonableness of solutions25.86 – 17.23 = 8.6326 – 17 = 9“8.63 is the answer I calculated, and it is close to 9, so my answer is reasonable.” | Solves addition and subtraction problems flexibly, using a variety of strategies25.85 – 17.21 = ?25.85 + 0.15 = 2617.21 + 0.15 = 17.3626 – 17.36 = 8.64 |
| **Observations/Documentation** |
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