## Activity 38 Assessment

Using Mental Math to Add and Subtract Decimals

| Conceptual Meaning of Addition and Subtraction of Decimals |  |  |
| :---: | :---: | :---: |
| Recognizes addition and subtraction situations and models concretely to add or subtract to tenths $0.7+0.8=1.5$ <br> " 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) $\begin{aligned} 14.6 & +27.8=? \\ 14+27 & =41 \text { (whole numbers) } \\ 0.6+0.8 & =1.4 \text { (decimals) } \\ 41+1.4 & =42.4 \end{aligned}$ <br> "I decomposed both numbers, added the whole numbers, then the tenths." |
| Observations/Documentation |  |  |
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## Activity 38 Assessment

Using Mental Math to Add and Subtract Decimals

| Conceptual Meaning of Addition and Subtraction of Decimals (cont'd) |  |  |
| :---: | :---: | :---: |
| Uses an understanding of place value to decompose one number $\begin{gathered} 14.6+27.8=? \\ 27.8=27+0.8 \\ 14.6+27=41.6 \\ 41.6+0.8=42.4 \end{gathered}$ <br> "I used place value to add on the second number." | Uses estimation and mental math strategies to check reasonableness of solutions $\begin{gathered} 25.86-17.23=8.63 \\ 26-17=9 \end{gathered}$ <br> " 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 strategies $\begin{gathered} 25.85-17.21=? \\ 25.85+0.15=26 \\ 17.21+0.15=17.36 \\ 26-17.36=8.64 \\ 111 \\ 25.85 \\ \frac{-17.21}{8.64} \end{gathered}$ |
| Observations/Documentation |  |  |
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