## Activity 22 Assessment

Adding and Subtracting Decimals to Thousandths

| Conceptual Meaning of Addition and Subtraction of Decimals |  |  |
| :---: | :---: | :---: |
| Recognizes addition and subtraction situations and models concretely or pictorially to add or subtract to hundredths (using hundredths grids or Base Ten Blocks) <br> " 86 hundredths -23 hundredths = 63 hundredths $25-17=8 \text { " }$ $25.86-17.23=8.63$ | Uses an understanding of place value to add or subtract decimals with hundredths (using standard algorithm) $\begin{array}{r} 25.86-17.23=? \\ 111.86 \\ -17.23 \\ \hline 8.63 \end{array}$ <br> "I used the standard algorithm to subtract the hundredths, then the tenths, and then the whole numbers." | Models to add or subtract decimals with thousandths (e.g., using thousandths grids or number lines) $43.600-1.345=?$ <br> " 600 thousandths -345 thousandths = 255 thousandths $43-1=42 . "$ $43.6-1.345=42.255$ |
| Observations/Documentation |  |  |
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## Activity 22 Assessment

Adding and Subtracting Decimals to Thousandths

| Conceptual Meaning of Addition and Subtraction of Decimals (cont'd) |  |  |
| :---: | :---: | :---: |
| Uses an understanding of place value to add or subtract decimals with thousandths (e.g., using standard algorithm) $\begin{array}{r} 591 \\ 43.6 \emptyset 0 \\ -1.345 \\ \hline 42.255 \end{array}$ <br> "I used the standard algorithm to subtract the thousandths, then the hundredths, then the tenths, and then the whole numbers." | Uses estimation and mental math strategies to check reasonableness of solutions $\begin{gathered} 43.6-1.345=42.255 \\ 43.6 \text { is close to } 44.1 .345 \text { is close to } 1 . \\ 44-1=43 \end{gathered}$ <br> " 42.255 is the answer I calculated, and it is close to 43 , so my answer is reasonable." | Solves addition and subtraction problems flexibly, using a variety of strategies <br> Naomi swam 1.5 km , rode a bicycle for 35.29 km , and ran for 8.375 km . What was the total distance Naomi travelled? $1.5 \mathrm{~km}+35.29 \mathrm{~km}+8.375 \mathrm{~km}=?$ $\begin{array}{r} 11 \\ 1.500 \\ 35.290 \\ +\quad 8.375 \\ \hline 45.165 \end{array}$ <br> "I wrote each number as a decimal with thousandths. Naomi travelled 45.165 km in total." |
| Observations/Documentation |  |  |
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