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| **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) 25.86 – 17.23  = ?**A graph of a graph with a number of numbers  Description automatically generated** “86 hundredths – 23 hundredths = 63 hundredths 25 – 17 = 8”*(« 86 centièmes – 23 centièmes = 63 centièmes 25 – 17 = 8 »)*25.86 – 17.23 = 8.63 | Uses an understanding of place value to add or subtract decimals with hundredths (using standard algorithm) 25.86 − 17.23 = ?**A number with red mark  Description automatically generated**“I used the standard algorithm to subtract the hundredths, then the tenths, and then the whole numbers.”*(« J’ai utilisé l’algorithme usuel pour soustraire les centièmes, puis les dixièmes, et puis les nombres naturels. »)* | Models to add or subtract decimals with thousandths (e.g., using thousandths grids or number lines) 43.600 – 1.345 = ?  “600 thousandths – 345 thousandths = 255 thousandths43 – 1 = 42.” *(« 600 millièmes – 345 millièmes = 255 millièmes 43 – 1 = 42 »)*43.6 – 1.345 = 42.255 |
| **Observations/Documentation** |
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| **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)   A number with red and black numbers  Description automatically generated “I used the standard algorithm to subtract the thousandths, then the hundredths, then the tenths, and then the whole numbers.” *(« J’ai utilisé l’algorithme usuel pour soustraire les millièmes, puis les centièmes, puis les dixièmes et enfin les nombres naturels. »)* | Uses estimation and mental math strategies to check reasonableness of solutions 43.6 – 1.345 = 42.255 43.6 is close to 44. 1.345 is close to 1.44 – 1 = 43“42.255 is the answer I calculated, and it is close to 43, so my answer is reasonable.” *(« 42,255 est la réponse que j’ai calculée, et elle est proche de 43, donc ma réponse est vraisemblable. »)* | Solves addition and subtraction problems flexibly, using a variety of strategiesNaomi swam 1.5 km, rode a bicycle for 35.29 km, and ran for 8.375 km. What wasthe total distance Naomi travelled? 1.5 km + 35.29 km + 8.375 km = ?  A number with red numbers  Description automatically generated“I wrote each number as a decimal with thousandths. Naomi travelled 45.165 km in total.”*(« J’ai écrit chaque nombre comme un nombre décimal avec des millièmes. Naomi a parcouru 45,165 km au total. »)* |
| **Observations/Documentation** |
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