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| **Exploring Integers** | | | |
| Describes integers in terms of a positive or negative distance  from zero.  “−5 is 5 units to the left of 0  on a horizontal number line.  +3 is 3 units to the right of 0.”  *(« −5 se trouve à 5 unités à gauche de 0 sur une droite numérique horizontale. +3 est à 3 unités à droite de 0. »)* | Understands that an integer and its opposite are the same distance from zero but on opposite sides of zero.  A line with numbers and a number on it  Description automatically generated  “Negative 5 is the same distance from zero as positive 5.”  *(« Le nombre entier négatif de 5 est à la même distance du zéro que le nombre entier positif de 5. »)* | Recognizes that the value of negative numbers decreases as the number of digits increases.  A black line with a cross  Description automatically generated with medium confidence  “−8 is less than +3  because it is less than zero:  −8 < 3.”  *(« −8 est inférieur à +3 parce qu’il est inférieur à zéro : −8 < 3. »)* | Compares and orders positive and negative integers.  −5, 0, −2, 5, −1  A black lines with red dots and numbers  Description automatically generated  “From least to greatest:  −5, −2, −1, 0, 5”  *(« Du plus petit au plus grand : −5, −2, −1, 0, 5. »)* |
| **Observations/Documentation** | | | |
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| **Exploring Integers (cont’d)** | | | |
| Adds integers with like signs concretely or pictorially (e.g., using counters or number lines).  A red circle with black lines and black lines  Description automatically generated  –3 + (–2) = –5  “The sum of two negative integers  is negative.”  *(« La somme de deux nombres entiers négatifs est négative. »)* | Recognizes that the sum of a number and its additive inverse is 0.  A group of red and yellow circles  Description automatically generated  –3 + (+3) = 0  “Adding an integer and its opposite gives 0.”  *(« L’addition d’un nombre entier et de son opposé donne 0. »)* | Adds integers with different signs concretely (e.g., using counters and zero pairs or number lines).  A line with numbers and a line  Description automatically generated  4 + (–1) = 3  “I moved right to model +4, then left to model −1. I ended up at +3.”  *(« Je me suis déplacé vers la droite jusqu’au point +4, puis vers la gauche jusqu’au point −1. J’ai fini à +3. »)* | Flexibly adds integers and solves addition story problems.  –6 + 2  “I think of it as the sum of 0  and another integer.”  *(« Je le vois comme la somme de 0 et d’un autre nombre entier. »)*  –6 + 2 = (–4 + (–2)) + 2  = –4 + (–2 + 2)  = –4 + 0  = –4 |
| **Observations/Documentation** | | | |
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