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| **Multiplying Integers** |
| Interprets a given model of integer multiplication “Each hop represents –2. Since there are 4 hops, this model shows the product +4 × (–2) = –8.” | Multiplies integers by creating and using a model“I can use algebra tiles to represent 2 × (–3). I know that (–2) × (–3) is the opposite of this, so I can model it by flipping the tiles. So, (–2) × (–3) = +6. | Multiplies integers by using observed patterns“I know that when you multiply a positive integer and a negative integer, the result is negative. When you multiply two negative integers, the product is positive.” | Uses integer multiplication to model and solve a scenarioEvery month, Dymtro debits $50 from their bank account to pay for their cell phone plan. They do this every month for 6 months. How does this affect Dymtro’s bank balance in that time?“I used a negative integer to represent this payment since money is being removed from the account. In 6 months, the change in the account balance for this expense is: 6 × (–$50), which is –$300.” |
| **Observations/Documentation** |
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