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| **Multiplying Fractions** |
| Multiplies a fraction by a whole number or vice versa3 × 3“I know this is equal to 3+ 3+ 3, which is the same as  (3 + 3 + 3) + (+ + ) = 9 + = 9 + 1= 10Because changing the order doesn’t change the product, I know that 3× 3 = 10 as well.” | Multiplies fractions and/or mixed numbers using a model“To multiply × 2, I drew an arrayshowing 2. Then, I partitioned it into 3 equal parts and shaded one part differently.I rearranged the shaded pieces to compare them to 1 whole.  I can see that are shaded. So, × 2= .” | Multiplies fractions and/or mixed numbers symbolically“To multiply × 2, I’m first going towrite the mixed number as an improper fraction. Then, I can just multiply the numerators and the denominators.× 2= ×  = ” | Solves problems that involve multiplying fractions and/or mixed numbers“Toby has 32yd of electrical cable. They use of the cable on a wiring project. How many yards of cable are left?Since Toby uses of the cable, I know that remain.× 32= ×  =  = 26There are 26 yd of cable left.” |

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| **Observations/Documentation** |
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