|  |  |  |  |
| --- | --- | --- | --- |
| **Multiplying Fractions and Mixed Numbers** | | | |
| Models multiplication of a fraction  by a whole number  5 ×    I divided one rectangle into 3 equal pieces and shaded 1 part of the rectangle. I repeated the process  for a total of 5 of these rectangles. Altogether, these combined to  or 1. | Models multiplication of fractions  or mixed numbers  ×    I drew a rectangle. Next, I drew a line to cut the width of the rectangle in half. Then I drew lines to cut the length into fourths. I shaded three-fourths of the rectangle light blue. Then I shaded one-half of the  three-fourths a darker blue.  This showed 3 of 8 parts as shaded  dark blue. So, × = . | Applies a rule for multiplying fractions, including mixed numbers  1× 2  I can write the mixed numbers as improper fractions, then multiply the numerators and denominators.  1× 2= ×  =  =  = 4  = 4 | Solves a problem involving the multiplication of fractions or mixed numbers  A musician spends 3h practicing scales each week. How many hours does the musician spend practising scales in 2weeks?  3× 2  = (3 + ) × (2 + )  = (3 × 2) + (3 × ) + (× 2) + (× )  = 6 + + +  = 6 + + +  = 6 +  = 6 + 2  = 8  The musician spends 8h  practising scales. |
| **Observations/Documentation** | | | |
|  |  |  |  |