Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Multiplying a Whole Number and Fraction

Liz was making several batches of cookies for a bake sale. The recipe called for ¾ cup of brown sugar. She wanted to make sure she had enough sugar to make 3 batches and sketched the picture below. Is her thinking correct? Justify why or why not using another strategy and explain your thinking!

3 x $\frac{3}{4}$ = $\frac{9}{12}$ because:

 x $\frac{3}{4}$

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

 3

Does Liz need $\frac{9}{12}$ cups of brown sugar? Why or why not?