



## ANCHOR CHART • GRADE 5 • 5.NF.B.6

# Fraction Word Problems

Name the whole each fraction counts, draw it, then check the size of the answer.

## 1 Multiply, or Something Else?

$\frac{2}{5}$  of the class are girls.  $\frac{1}{8}$  of the girls wear glasses. What fraction of the class?

✓ multiply.  $\frac{1}{8}$  of  $\frac{2}{5}$  is  $\frac{1}{20}$

$\frac{2}{5}$  of a pizza is left. Jamie eats  $\frac{1}{8}$  of the whole pizza. How much is left?

✗ subtract.  $\frac{2}{5} - \frac{1}{8}$  is  $\frac{11}{40}$

Same numbers, different questions. Multiply when one fraction counts a part of the other.

## 3 Every Part Times Every Part

|               |               |               |
|---------------|---------------|---------------|
|               | 2             | $\frac{1}{2}$ |
| 1             | 2             | $\frac{1}{2}$ |
| $\frac{1}{3}$ | $\frac{2}{3}$ | $\frac{1}{6}$ |

$$2 + \frac{1}{2} + \frac{2}{3} + \frac{1}{6} = 3 \frac{1}{3}$$

✗  $2 \frac{1}{6}$

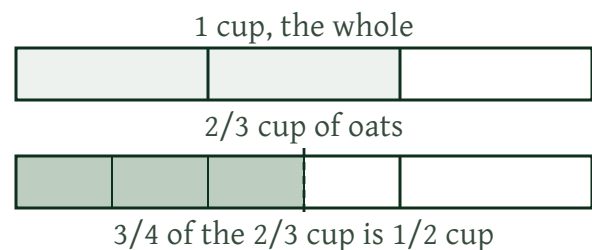
✓  $3 \frac{1}{3}$

wholes times wholes      all four pieces counted

Wholes times wholes, fractions times fractions,  
drops the two shaded pieces.

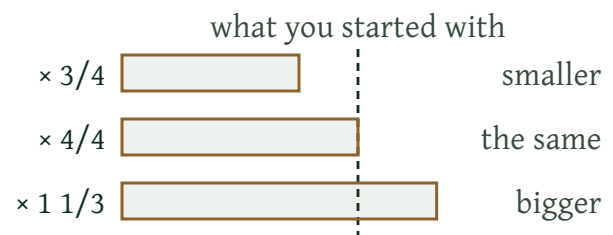
## 2 Name the Whole, Draw It

A recipe uses  $\frac{2}{3}$  cup of oats. You make  $\frac{3}{4}$  of the recipe.



The  $\frac{3}{4}$  counts the oats, not the cup. Cut the  $\frac{2}{3}$  into four parts and keep three.

## 4 Check the Size First



Decide whether the answer should grow or shrink before you compute, then check that it did.