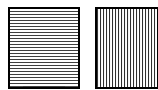


# Using Area Models For Adding and Subtracting Fractions

Name \_\_\_\_\_

Decide if the answer will be **>** or **<** the original number. Estimate the answer. Then, shade the rectangle(s) to show each problem, and use mathematics to show the algorithms for multiplying and dividing.



1a.  $\frac{1}{4} + \frac{1}{3}$

How much is \_\_\_\_\_ and \_\_\_\_\_ ?

$\frac{1}{3}$   $\frac{1}{3}$   $\frac{1}{3}$

$\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$


1b.  $\frac{3}{4} - \frac{1}{3}$

How much is \_\_\_\_\_ take away \_\_\_\_\_?

$\frac{1}{3}$   $\frac{1}{3}$   $\frac{1}{3}$

$\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$


2a.  $\frac{1}{2} + \frac{1}{3}$

How much is \_\_\_\_\_ and \_\_\_\_\_ ?

$\frac{1}{2}$   $\frac{1}{2}$

$\frac{1}{3}$   $\frac{1}{3}$   $\frac{1}{3}$


2b.  $\frac{1}{2} - \frac{1}{3}$

How much is \_\_\_\_\_ take away \_\_\_\_\_?

$\frac{1}{2}$   $\frac{1}{2}$

$\frac{1}{3}$   $\frac{1}{3}$   $\frac{1}{3}$


3a.  $\frac{2}{5} + \frac{1}{2}$

How much is \_\_\_\_\_ and \_\_\_\_\_ ?

$\frac{1}{5}$   $\frac{1}{5}$   $\frac{1}{5}$   $\frac{1}{5}$   $\frac{1}{5}$

$\frac{1}{2}$   $\frac{1}{2}$


3a.  $\frac{1}{2} - \frac{2}{5}$

How much \_\_\_\_\_ take away \_\_\_\_\_?

$\frac{1}{5}$   $\frac{1}{5}$   $\frac{1}{5}$   $\frac{1}{5}$   $\frac{1}{5}$

$\frac{1}{2}$   $\frac{1}{2}$


4a.  $\frac{1}{4} + \frac{2}{3}$

How much is \_\_\_\_\_ and \_\_\_\_\_ ?

$\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$

$\frac{1}{3}$   $\frac{1}{3}$   $\frac{1}{3}$


4b.  $\frac{2}{3} - \frac{1}{4}$

How much is \_\_\_\_\_ take away \_\_\_\_\_?

$\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$


Make up three problems of your own on the back of this page.