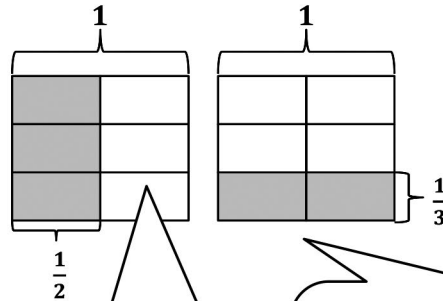


Draw a rectangular fraction model to find the sum. Simplify your answer, if possible.

a. $\frac{1}{2} + \frac{1}{3} = \frac{5}{6}$

First, I make 2 identical wholes. I shade $\frac{1}{2}$ vertically. In the other whole I can show $\frac{1}{3}$ by drawing 2 horizontal lines.



I need to make like units in order to add. I partition the halves into sixths by drawing 2 horizontal lines.

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

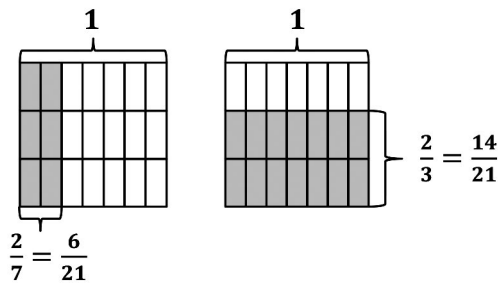
I divide the thirds into sixths by drawing a vertical line. In both models, I have like units: sixths.

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

$$\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$$

b. $\frac{2}{7} + \frac{2}{3} = \frac{20}{21}$

These addends are non-unit fractions because both have numerators greater than one.



$$\frac{2}{7} = \frac{6}{21}$$

$$\frac{2}{3} = \frac{14}{21}$$

$$\frac{2}{7} + \frac{2}{3} = \frac{6}{21} + \frac{14}{21} = \frac{20}{21}$$

Name _____

Date _____

1. Draw a rectangular fraction model to find the sum. Simplify your answer, if possible.

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

b. $\frac{1}{4} + \frac{1}{5} =$

c. $\frac{1}{4} + \frac{1}{6} =$

d. $\frac{1}{5} + \frac{1}{9} =$

e. $\frac{1}{4} + \frac{2}{5} =$

f. $\frac{3}{5} + \frac{3}{7} =$

Solve the following problems. Draw a picture, and write the number sentence that proves the answer. Simplify your answer, if possible.

2. Rajesh jogged $\frac{3}{4}$ mile and then walked $\frac{1}{6}$ mile to cool down. How far did he travel?

3. Cynthia completed $\frac{2}{3}$ of the items on her to-do list in the morning and finished $\frac{1}{8}$ of the items during her lunch break. What fraction of her to-do list is finished by the end of her lunch break?
(Extension: What fraction of her to-do list does she still have to do after lunch?)

4. Sam read $\frac{2}{5}$ of her book over the weekend and $\frac{1}{6}$ of it on Monday. What fraction of the book has she read? What fraction of the book is left?

