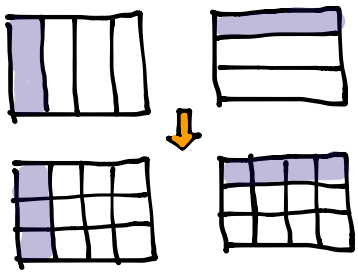
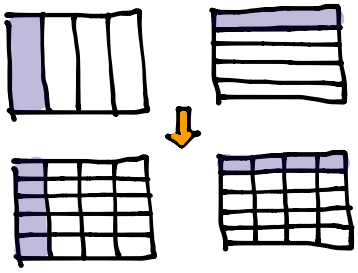
Name _____ Date _____

1. For the following problems, draw a picture using the rectangular fraction model and write the answer. Simplify your answer.

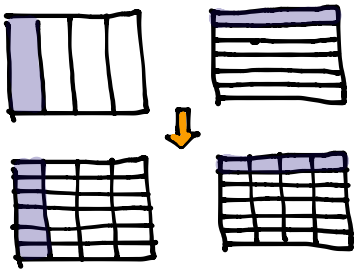
a) $\frac{1}{4}+\frac{1}{3}=\frac{3}{12}+\frac{4}{12}=\frac{7}{12}$



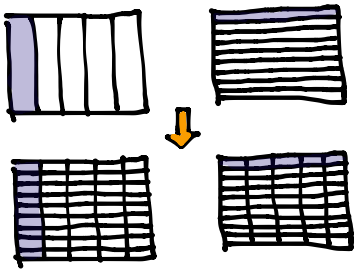
b) $\frac{1}{4}+\frac{1}{5}=\frac{5}{20}+\frac{4}{20}=\frac{9}{20}$



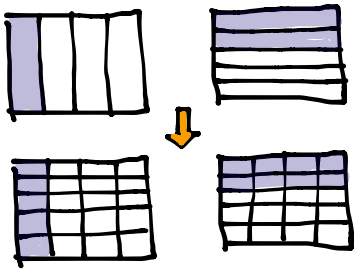
c) $\frac{1}{4}+\frac{1}{6}=\frac{6}{24}+\frac{4}{24}=\frac{10}{24}$



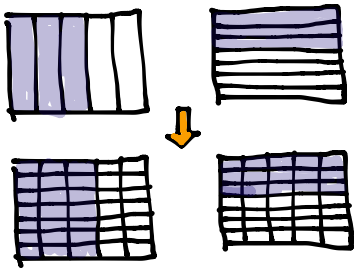
d) $\frac{1}{5}+\frac{1}{9}=\frac{9}{45}+\frac{5}{45}=\frac{14}{45}$



e) $\frac{1}{4}+\frac{2}{5}=\frac{5}{20}+\frac{8}{20}=\frac{13}{20}$

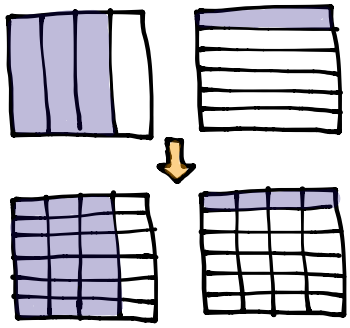


f) $\frac{3}{5}+\frac{3}{7}=\frac{21}{35}+\frac{15}{35}=\frac{36}{35}$



Solve the following problems. Draw a picture and/or write the number sentence that proves the answer.

2. Rajesh jogged 3/4 mile, and then walked 1/6 mile to cool down. How far did he travel?

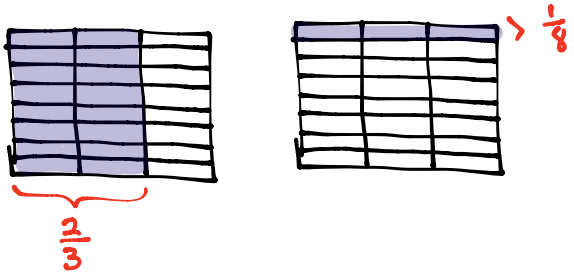


$\frac{3}{4} + \frac{1}{6} = \frac{18}{24} + \frac{4}{24} = \frac{22}{24}$

3. Cynthia completed 2/3 of the items on her to-do list in the morning, and finished 1/8 of the items during her lunch break. How much of her to-do list is finished by the end of her lunch break? (Bonus: How much of her to-do list does she still have to do after lunch?)

$\frac{2}{3} + \frac{1}{8} = \frac{16}{24} + \frac{3}{24} = \frac{19}{24}$

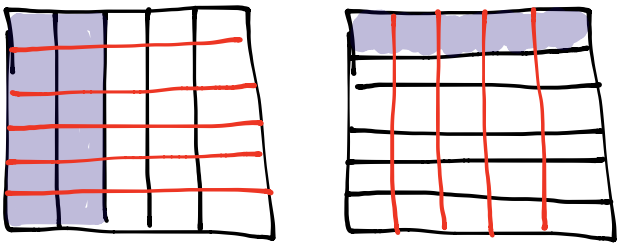
Bonus: She still has $\frac{5}{24}$ of her list to do after lunch.



4. Sam read 2/5 of her book over the weekend, and 1/6 of it on Monday. What fraction of the book has she read? What fraction of the book is left?

$\frac{2}{5} + \frac{1}{6} = \frac{12}{30} + \frac{5}{30} = \frac{17}{30}$

$30 - 17 = 13$



Sam read $\frac{17}{30}$ of the book. He still has $\frac{13}{30}$ of the book left over.