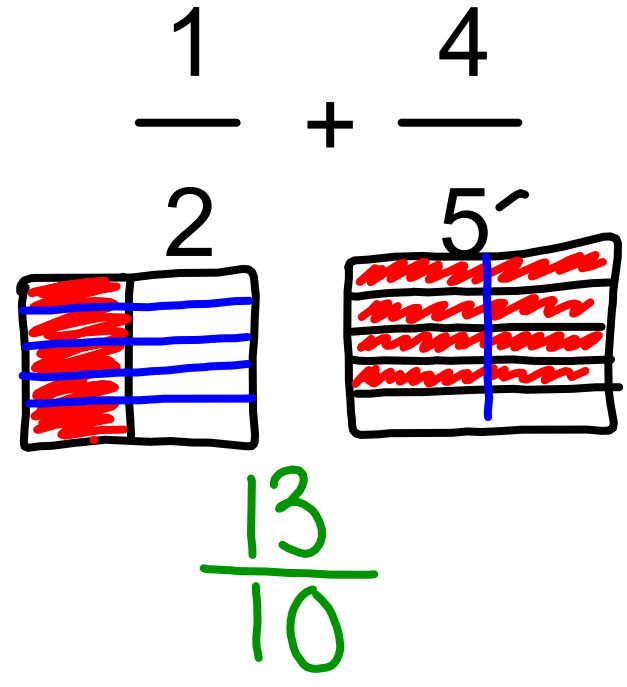
Warm-up



Adding fractions with models

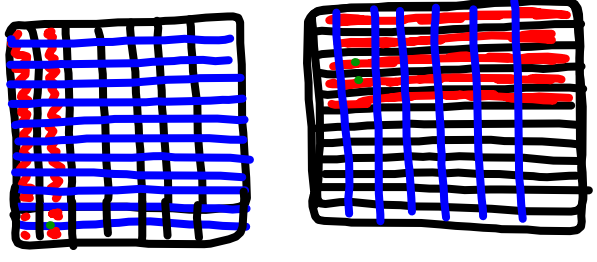
Steps

1. Model the first fraction with vertical lines
2. Model the second fraction with horizontal lines
3. Combine the 2
4. Count up total squares in one box for your denominator
5. Count up the total shaded for the numberator



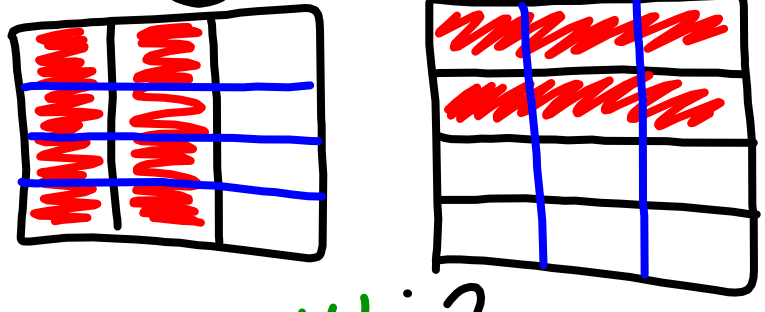
Let's do these ones together

$$\frac{2}{7} + \frac{5}{12}$$



$\frac{59}{84}$

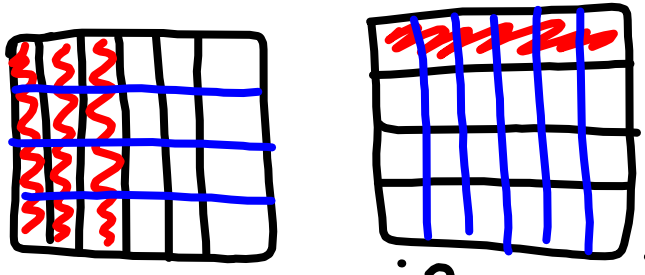
$$\frac{2}{3} + \frac{2}{4}$$



$\frac{14}{12} \div 2 = \frac{7}{6}$

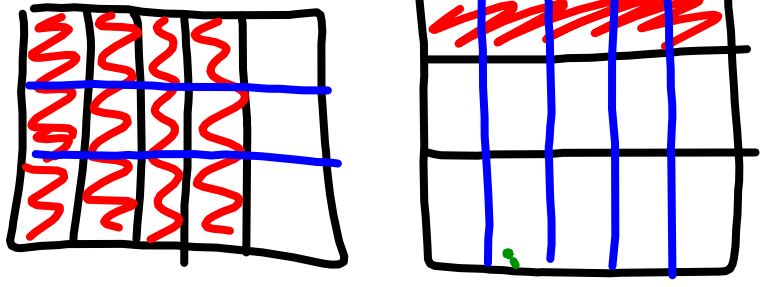
You try on your own

$\frac{3}{6} + \frac{1}{4}$



$\frac{18}{24} = \frac{9}{12} = \frac{3}{4}$ (÷2, ÷3)

$\frac{4}{5} + \frac{1}{3}$



$\frac{17}{15}$

Homework

page 8 + 9

Find the sum. using models

1. $\frac{1}{2} + \frac{1}{4} =$ _____

2. $\frac{1}{3} + \frac{5}{7} =$ _____

3. $\frac{8}{9} + \frac{1}{3} =$ _____

4. $\frac{5}{12} + \frac{1}{5} =$ _____

5. $\frac{1}{6} + \frac{10}{12} =$ _____

6. $\frac{4}{10} + \frac{4}{9} =$ _____

7. $\frac{2}{5} + \frac{2}{7} =$ _____

8. $\frac{5}{9} + \frac{4}{6} =$ _____

9. $\frac{5}{7} + \frac{3}{6} =$ _____

10. $\frac{4}{5} + \frac{2}{4} =$ _____

11. $\frac{2}{3} + \frac{1}{2} =$ _____

12. $\frac{3}{11} + \frac{2}{3} =$ _____

13. $\frac{4}{7} + \frac{4}{7} =$ _____

14. $\frac{5}{6} + \frac{2}{5} =$ _____

Answer Key

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

2. $\frac{1}{3} + \frac{5}{7} = 1\frac{1}{21}$ $\frac{22}{21}$

3. $\frac{8}{9} + \frac{1}{3} = 1\frac{2}{9}$ $\frac{11}{9}$

4. $\frac{5}{12} + \frac{1}{5} = \frac{37}{60}$

5. $\frac{1}{6} + \frac{10}{12} = 1$

6. $\frac{4}{10} + \frac{4}{9} = \frac{38}{45}$

7. $\frac{2}{5} + \frac{2}{7} = \frac{24}{35}$

8. $\frac{5}{9} + \frac{4}{6} = 1\frac{2}{9}$ $\frac{11}{9}$

9. $\frac{5}{7} + \frac{3}{6} = 1\frac{3}{14}$ $\frac{17}{14}$

10. $\frac{4}{5} + \frac{2}{4} = 1\frac{3}{10}$ $\frac{13}{10}$

11. $\frac{2}{3} + \frac{1}{2} = 1\frac{1}{6}$ $\frac{7}{6}$

12. $\frac{3}{11} + \frac{2}{3} = \frac{31}{33}$

13. $\frac{4}{7} + \frac{4}{7} = 1\frac{1}{7}$ $\frac{8}{7}$

14. $\frac{5}{6} + \frac{2}{5} = 1\frac{7}{30}$ $\frac{37}{30}$