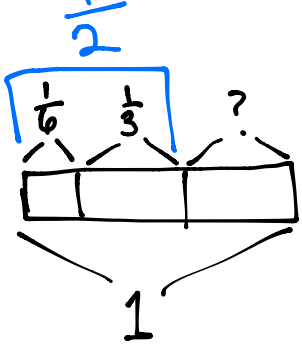
Name _____ Date _____

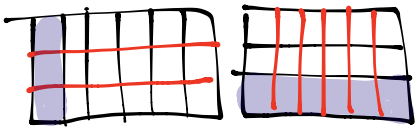
Solve the word problem using the RDW strategy. Show all your work.

1. Christine baked a pumpkin pie. She ate 1/6 of the pie. Her brother ate 1/3 of it, and gave the left overs to his friends. What fraction of the pie did he give to his friends?



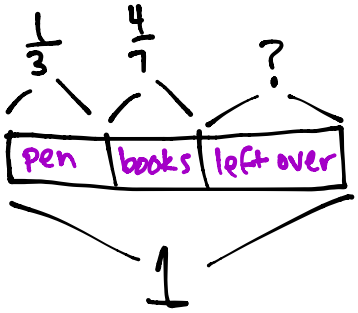
$\frac{1}{6} + \frac{1}{3} = \frac{3}{18} + \frac{6}{18} = \frac{9}{18} = \frac{1}{2}$

$1 - \frac{1}{2} = \frac{1}{2}$



He gave $\frac{1}{2}$ of the pie to his friends.

2. Liang went to the bookstore. He spent 1/3 of his money on a pen and 4/7 of it on books. What fraction of his money did he have left?

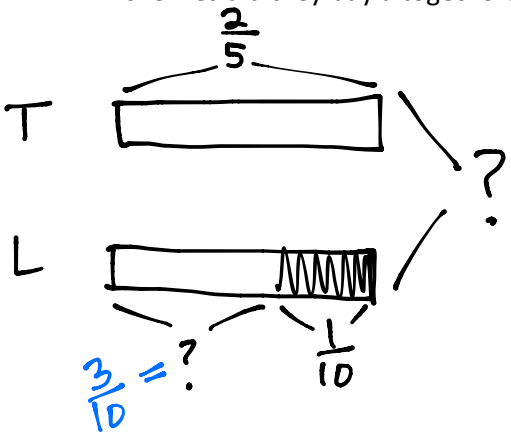


$\frac{1}{3} + \frac{4}{7} = \frac{7}{21} + \frac{12}{21} = \frac{19}{21}$

$1 - \frac{19}{21} = \frac{21}{21} - \frac{19}{21} = \frac{2}{21}$

Liang has $\frac{2}{21}$ of his money left over.

3. Tiffany bought 2/5 kg of cherries. Linda bought 1/10 kg of cherries less than Tiffany. How many kg of cherries did they buy altogether?



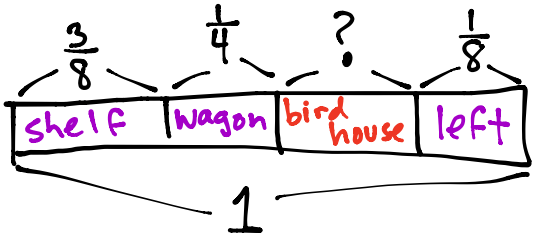
$\frac{2}{5} - \frac{1}{10} = \frac{4}{10} - \frac{1}{10} = \frac{3}{10}$

Linda bought $\frac{3}{10}$ kg of cherries.

$\frac{2}{5} + \frac{3}{10} = \frac{4}{10} + \frac{3}{10} = \frac{7}{10}$

Altogether, they bought $\frac{7}{10}$ kg of cherries.

4. Mr. Rivas bought a can of paint. He used 3/8 of it to paint a book shelf. He used 1/4 of it to paint a wagon. He used some of it to paint a bird house, and have 1/8 of paint left. How much paint did he use for the bird house?

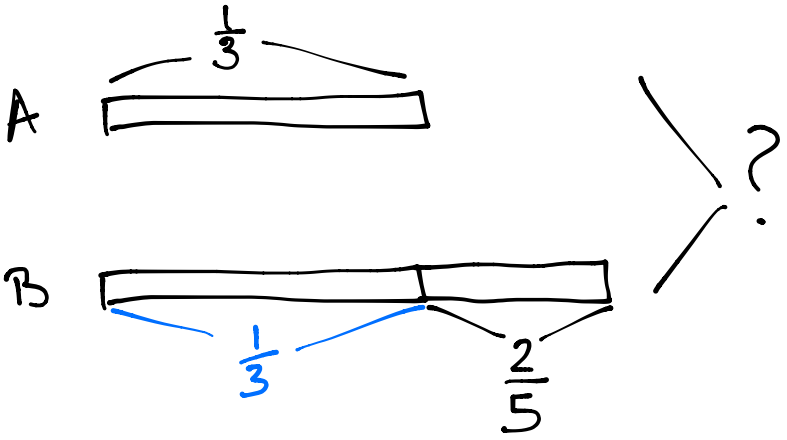


$\frac{3}{8} + \frac{1}{8} + \frac{1}{4} = \frac{4}{8} + \frac{1}{4} = \frac{3}{4}$

$1 - \frac{3}{4} = \frac{4}{4} - \frac{3}{4} = \frac{1}{4}$

Mr. Rivas used $\frac{1}{4}$ of the paint for the bird house.

5. Ribbon A is 1/3 m long. It is 2/5 m shorter than ribbon B. What's the total length of two ribbons?



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

$= \frac{10}{15} + \frac{6}{15}$

$= \frac{16}{15}$

$= 1\frac{1}{15}$

The total length of the two ribbons is $1\frac{1}{15}$ meters.