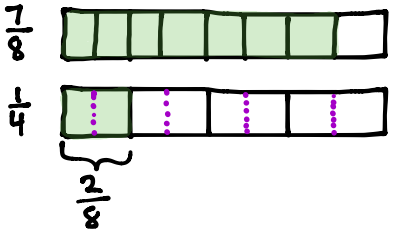
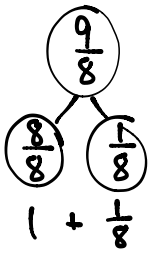
Name _____ Date _____

1. Draw a tape diagram to represent each addend. Decompose one of the tape diagrams to make like units. Then, write a complete number sentence. Use a number bond to write each sum as a mixed number.

a. $\frac{7}{8} + \frac{1}{4} = \frac{7}{8} + \frac{2}{8}$

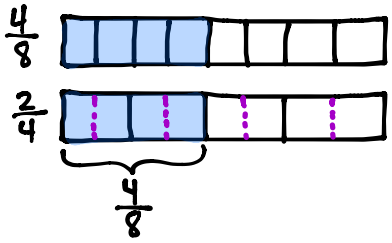
$= \frac{9}{8} = 1\frac{1}{8}$





b. $\frac{4}{8} + \frac{2}{4} = \frac{4}{8} + \frac{4}{8} = \frac{8}{8}$

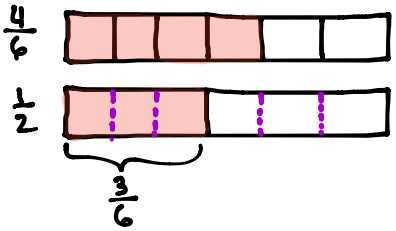
$= 1$

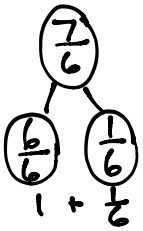


c. $\frac{4}{6} + \frac{1}{2}$

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

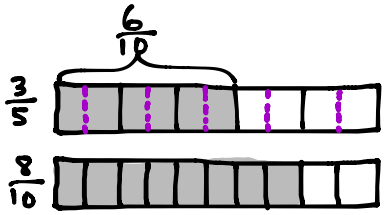
$= \frac{7}{6} = 1\frac{1}{6}$

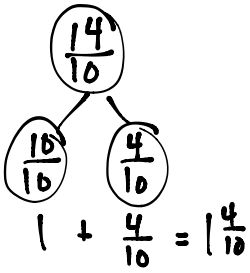




d. $\frac{3}{5} + \frac{8}{10} = \frac{6}{10} + \frac{8}{10}$

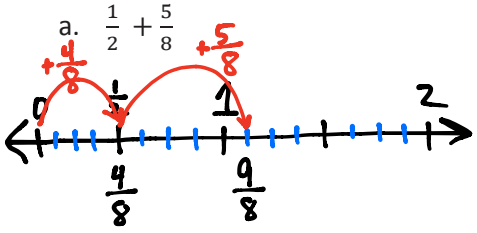
$= \frac{14}{10} = 1\frac{4}{10}$



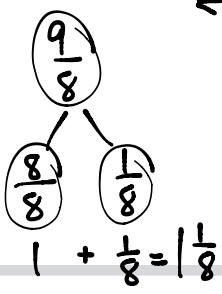


2. Draw a number line to model the addition. Then, write a complete number sentence. Use a number bond to write each sum as a mixed number.

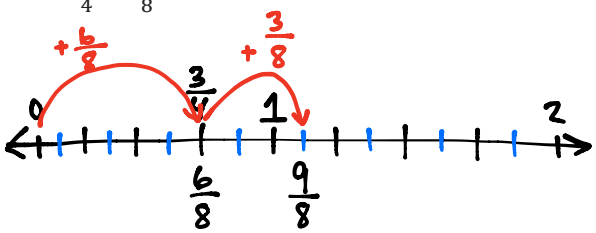
a. $\frac{1}{2} + \frac{5}{8}$



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

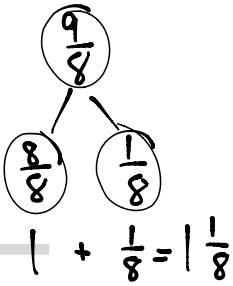


b. $\frac{3}{4} + \frac{3}{8}$



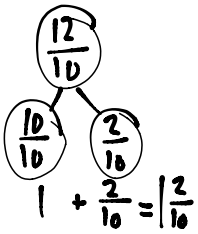
$\frac{3}{4} + \frac{3}{8} = \frac{6}{8} + \frac{3}{8}$

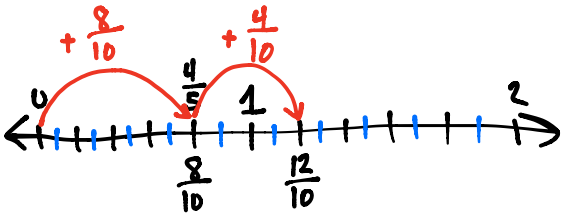
$= \frac{9}{8} = 1\frac{1}{8}$



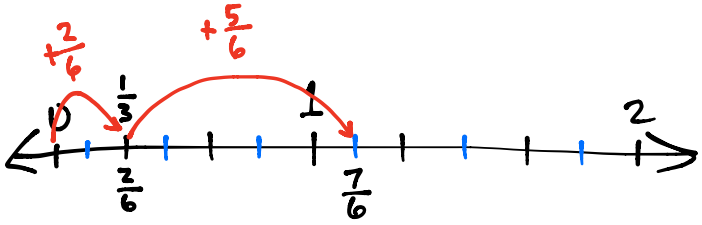
c. $\frac{4}{10} + \frac{4}{5}$

$= \frac{4}{10} + \frac{8}{10} = \frac{12}{10} = 1\frac{2}{10}$





d. $\frac{1}{3} + \frac{5}{6} = \frac{2}{6} + \frac{5}{6} = \frac{7}{6} = 1\frac{1}{6}$

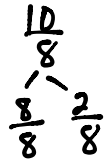


3. Solve. Write the sum as a mixed number. Draw a model if needed.

a. $\frac{1}{2} + \frac{6}{8}$

$= \frac{4}{8} + \frac{6}{8}$

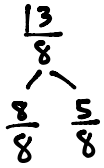
$= \frac{10}{8} = 1\frac{2}{8}$



b. $\frac{7}{8} + \frac{3}{4}$

$= \frac{7}{8} + \frac{6}{8}$

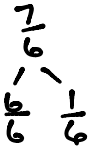
$= \frac{13}{8} = 1\frac{5}{8}$



c. $\frac{5}{6} + \frac{1}{3}$

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

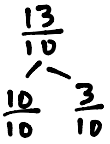
$= \frac{7}{6} = 1\frac{1}{6}$



d. $\frac{9}{10} + \frac{2}{5}$

$= \frac{9}{10} + \frac{4}{10}$

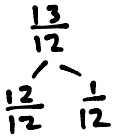
$= \frac{13}{10} = 1\frac{3}{10}$



e. $\frac{4}{12} + \frac{3}{4}$

$= \frac{4}{12} + \frac{9}{12}$

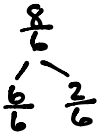
$= \frac{13}{12} = 1\frac{1}{12}$



f. $\frac{1}{2} + \frac{5}{6}$

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

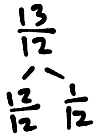
$= \frac{8}{6} = 1\frac{2}{6}$



g. $\frac{3}{12} + \frac{5}{6}$

$= \frac{3}{12} + \frac{10}{12}$

$= \frac{13}{12} = 1\frac{1}{12}$



h. $\frac{7}{10} + \frac{4}{5}$

$= \frac{7}{10} + \frac{8}{10}$

$= \frac{15}{10} = 1\frac{5}{10}$