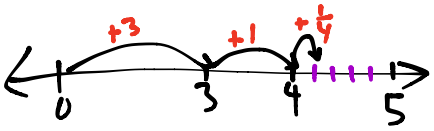
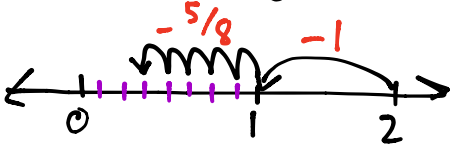
Name _____ Date _____

1. Add or subtract.

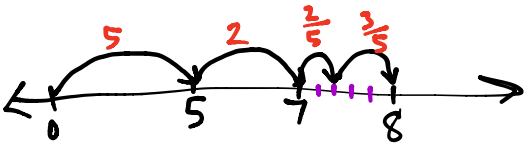
a) $3 + 1\frac{1}{4} =$ $4\frac{1}{4}$



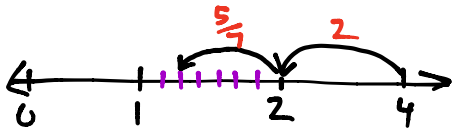
b) $2 - 1\frac{5}{8} =$ $\frac{3}{8}$



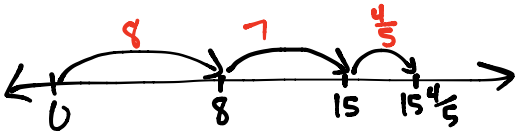
c) $5\frac{2}{5} + 2\frac{3}{5} =$ 8



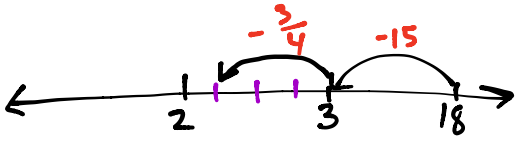
d) $4 - 2\frac{5}{7} =$ $1\frac{2}{7}$



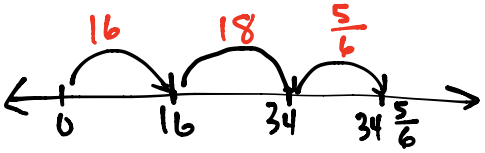
e) $8\frac{4}{5} + 7 =$ $15\frac{4}{5}$



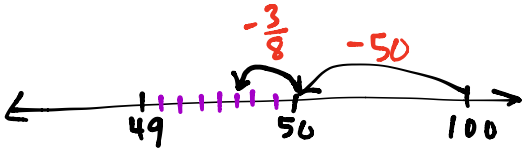
f) $18 - 15\frac{3}{4} =$ $2\frac{1}{4}$



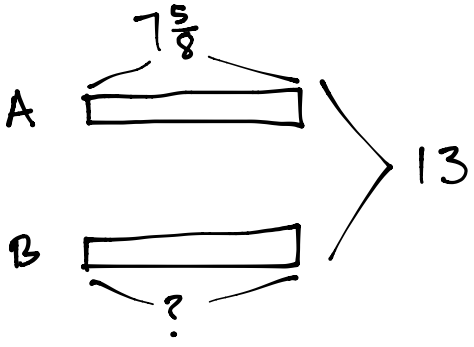
g) $16 + 18\frac{5}{6} =$ $34\frac{5}{6}$



h) $100 - 50\frac{3}{8} =$ $49\frac{5}{8}$



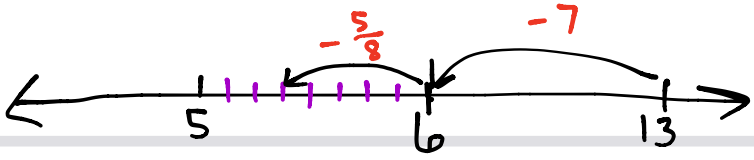
2. The total length of two ribbons is 13 meters. If one ribbon is $7\frac{5}{8}$ meters long, what is the length of the other ribbon?



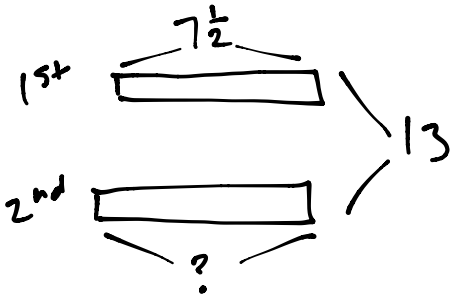
$13 - 7\frac{5}{8} = 13 - 7 - \frac{5}{8}$

$= 6 - \frac{5}{8}$

$= 5\frac{3}{8}$



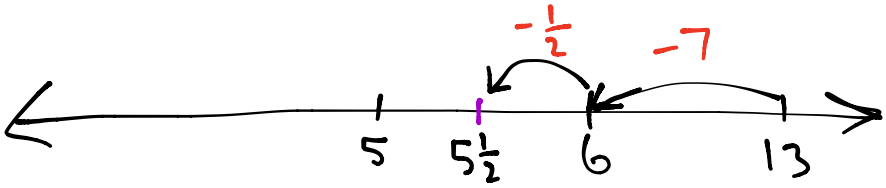
3. It took Sandy two hours to jog 13 miles. She ran 7 1/2 miles in the first hour. How far did she run during the second hour?



$13 - 7\frac{1}{2} = 13 - 7 - \frac{1}{2}$

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

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



4. Andre says that $5\frac{3}{4} + 2\frac{1}{4} = 7\frac{1}{2}$ because $7\frac{4}{8} = 7\frac{1}{2}$. Identify his mistake. Draw a picture to prove that he is wrong.

Andre is wrong because he added the denominators when he should only add the numerators.

$5\frac{3}{4} + 2\frac{1}{4} = 8$