

Add and Subtract Fractions and Mixed Numbers with Like Denominators

You can use a number line to help you add and subtract fractions and mixed numbers with like denominators.

Add $1\frac{7}{8} + 2\frac{7}{8}$. Estimate: $2 + 3 = 5$

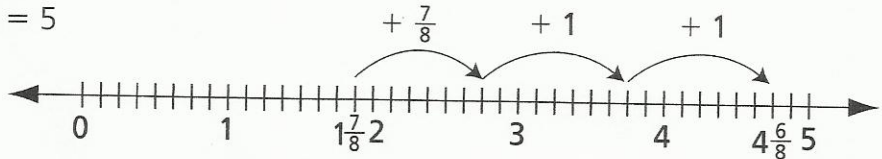
Locate $1\frac{7}{8}$ on the number line.

Add the fraction, $\frac{7}{8}$.

Then add the whole number, 2.

$$1\frac{7}{8} + 2\frac{7}{8} = 4\frac{6}{8} = 4\frac{3}{4}$$

$4\frac{3}{4}$ is close to 5, so $4\frac{3}{4}$ is reasonable.



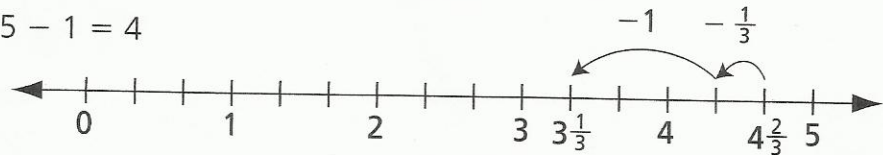
Subtract $4\frac{2}{3} - 1\frac{1}{3}$. Estimate: $5 - 1 = 4$

Locate $4\frac{2}{3}$ on the number line.

Subtract the fraction, $\frac{1}{3}$.

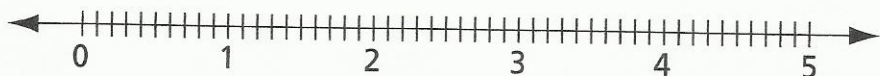
Then subtract the whole number, 1.

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

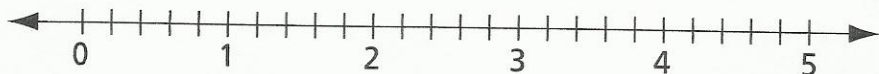


Use the number line to add or subtract. Write your answer in simplest form.

1. $1\frac{7}{10} + 1\frac{9}{10} =$ _____



2. $4\frac{4}{5} - 2\frac{3}{5} =$ _____



Add or subtract. You may use a number line. Write your answer in simplest form.

3. $6\frac{11}{12} - 4\frac{5}{12} =$ _____

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

5. $2\frac{7}{16} + 1\frac{5}{16} =$ _____

6. $5\frac{7}{10} - 2\frac{3}{10} =$ _____

7. $3\frac{1}{6} + 4\frac{5}{6} =$ _____

8. $6\frac{7}{8} - 1\frac{3}{8} =$ _____