

Name: _____

SoftSchools

Date: _____

Fractions worksheets

$$\frac{5}{7} - \frac{2}{7} =$$

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

$$\frac{3}{9} - \frac{3}{9} =$$

$$\frac{4}{5} - \frac{3}{5} =$$

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

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

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

$$\frac{2}{9} - \frac{1}{9} =$$

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

$$\frac{3}{8} - \frac{1}{8} =$$

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

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

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

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

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

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

$$\frac{2}{9} - \frac{2}{9} =$$

$$\frac{7}{12} - \frac{2}{12} =$$

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

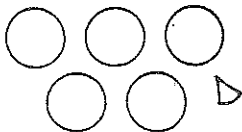
$$\frac{10}{10} - \frac{4}{10} =$$

Just as you sometimes have to regroup in order to subtract whole numbers, you sometimes have to regroup to subtract mixed numbers.

EXAMPLE 1.

Step 1.

Not enough sixths.

$$\begin{array}{r} 5\frac{1}{6} \\ -2\frac{5}{6} \\ \hline \end{array}$$


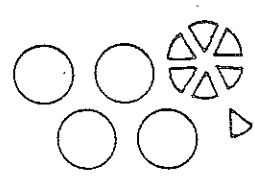
EXAMPLE 2.

Change to common denominator. Regroup.

$$\begin{array}{r} 8\frac{3}{8} = 8\frac{3}{8} = 7\frac{11}{8} \\ -1\frac{3}{4} = -1\frac{6}{8} = -1\frac{6}{8} \\ \hline 6\frac{5}{8} \end{array}$$

Step 2.

Regroup 1 whole for 6 sixths.

$$\begin{array}{r} 5\frac{1}{6} = 4\frac{7}{6} \\ -2\frac{5}{6} = -2\frac{5}{6} \\ \hline \end{array}$$


EXAMPLE 3.

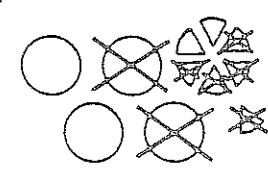
I regroup just as I do with whole numbers.

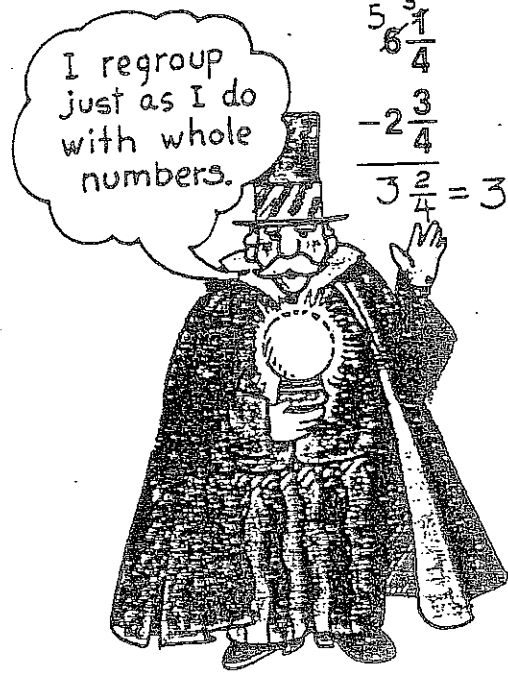
Change 1 to $\frac{4}{4}$.

$$\begin{array}{r} 5\frac{1}{4} \\ -2\frac{3}{4} \\ \hline 3\frac{2}{4} = 3\frac{1}{2} \end{array}$$

Step 3.

Subtract and write the difference in simplest form.

$$\begin{array}{r} 5\frac{1}{6} = 4\frac{7}{6} \\ -2\frac{5}{6} = -2\frac{5}{6} \\ \hline 2\frac{2}{6} = 2\frac{1}{3} \end{array}$$




EXERCISES

Subtract. Write each difference in simplest form.

1. $\begin{array}{r} 5\frac{1}{5} \\ -2\frac{3}{5} \\ \hline \end{array}$

2. $\begin{array}{r} 4\frac{3}{7} \\ -1\frac{5}{7} \\ \hline \end{array}$

3. $\begin{array}{r} 2\frac{1}{8} \\ -\frac{7}{8} \\ \hline \end{array}$

4. $\begin{array}{r} 7\frac{1}{4} \\ -3\frac{3}{4} \\ \hline \end{array}$

5. $\begin{array}{r} 8\frac{2}{5} \\ -6\frac{4}{5} \\ \hline \end{array}$

6. $\begin{array}{r} 3\frac{1}{9} \\ -1\frac{5}{9} \\ \hline \end{array}$

7. $\begin{array}{r} 6\frac{7}{9} \\ -2\frac{8}{9} \\ \hline \end{array}$

8. $\begin{array}{r} 3 \\ -1\frac{1}{2} \\ \hline \end{array}$

9. $\begin{array}{r} 5 \\ -3\frac{3}{4} \\ \hline \end{array}$

10. $\begin{array}{r} 7 \\ -1\frac{5}{8} \\ \hline \end{array}$