Review Exercises

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

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

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

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

Helpful Hints

When subtracting mixed numerals with unlike denominators, first subtract the fractions. If the fractions cannot be subtracted, take one from the whole number and increase the fraction, then subtract. Always reduce your answer to lowest terms.

Examples:

$5\frac{1}{2} \times \frac{4}{4} = \frac{4}{8}$

$-\ 2\frac{1}{8} \quad = \frac{1}{8}$

$3\frac{3}{8}$

$\cancel{5}^{4}\frac{1}{5} \times \frac{2}{2} = \frac{2}{10} + \frac{10}{10} = \frac{12}{10}$

$-\ 2\frac{1}{2} \times \frac{5}{5} = \frac{5}{10}$

$2\frac{7}{10}$

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

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

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

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

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

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

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

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

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

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

9. $\begin{array}{r} 3\ \frac{1}{4} \\ -\ 1\ \frac{1}{8} \\ \hline \end{array}$

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

Problem Solving

There are 600 students in a school. If they have been placed in 20 equal-sized classes, how many students are in each class?