

# Diagnostic Test

Name \_\_\_\_\_

Date \_\_\_\_\_

$$\begin{array}{r} \textcircled{1} \quad \frac{1}{5} \\ + \frac{3}{5} \\ \hline \end{array}$$

$$\frac{4}{5}$$

$$\begin{array}{r} \textcircled{2} \quad \frac{1}{4} \\ + \frac{2}{4} \\ \hline \end{array}$$

$$\frac{3}{4}$$

$$\begin{array}{r} \textcircled{3} \quad \frac{1}{8} \\ + \frac{1}{8} \\ \hline \end{array}$$

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

$$\begin{array}{r} \textcircled{4} \quad \frac{1}{3} \\ + \frac{2}{3} \\ \hline \end{array}$$

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

$$\begin{array}{r} \textcircled{5} \quad 2\frac{1}{9} \\ + 3\frac{4}{9} \\ \hline \end{array}$$

$$5\frac{5}{9}$$

$$\begin{array}{r} \textcircled{6} \quad 1\frac{1}{6} \\ + 3\frac{2}{6} \\ \hline \end{array}$$

$$4\frac{3}{6} = 4\frac{1}{2}$$

$$\begin{array}{r} \textcircled{7} \quad \frac{2}{9} \\ + \frac{8}{9} \\ \hline \end{array}$$

$$\frac{10}{9} = 1\frac{1}{9}$$

$$\begin{array}{r} \textcircled{8} \quad \frac{5}{8} \\ + \frac{5}{8} \\ \hline \end{array}$$

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

$$\begin{array}{r} \textcircled{9} \quad 3\frac{5}{6} \\ + 2\frac{5}{6} \\ \hline \end{array}$$

$$5\frac{10}{6} = 6\frac{4}{6} = 6\frac{2}{3}$$

$$\begin{array}{r} \textcircled{10} \quad \frac{1}{2} = \frac{2}{4} \\ + \frac{1}{4} = \frac{1}{4} \\ \hline \end{array}$$

$$\frac{3}{4}$$

$$\begin{array}{r} \textcircled{11} \quad \frac{1}{6} = \frac{2}{12} \\ + \frac{1}{12} = \frac{1}{12} \\ \hline \end{array}$$

$$\frac{3}{12} = \frac{1}{4}$$

$$\begin{array}{r} \textcircled{12} \quad \frac{1}{2} = \frac{4}{8} \\ + \frac{7}{8} = \frac{7}{8} \\ \hline \end{array}$$

$$\frac{11}{8} = 1\frac{3}{8}$$

$$\begin{array}{r} \textcircled{13} \quad \frac{1}{2} = \frac{5}{10} \\ + \frac{9}{10} = \frac{9}{10} \\ \hline \end{array}$$

$$\frac{14}{10} = 1\frac{4}{10} = 1\frac{2}{5}$$

$$\begin{array}{r} \textcircled{14} \quad \frac{1}{2} = \frac{3}{6} \\ + \frac{1}{3} = \frac{2}{6} \\ \hline \end{array}$$

$$\frac{5}{6}$$

$$\begin{array}{r} \textcircled{15} \quad 3\frac{2}{3} = \frac{6}{9} \\ + 1\frac{2}{9} = \frac{2}{9} \\ \hline \end{array}$$

$$4\frac{8}{9}$$

$$\begin{array}{r} \textcircled{16} \quad 4\frac{5}{6} = \frac{5}{6} \\ + 2\frac{1}{3} = \frac{2}{6} \\ \hline \end{array}$$

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

I do not know how to subtract fractions.

Directions: Subtract. Reduce all results to lowest terms and circle your final answer.

$$\begin{array}{r} \textcircled{17} \quad \frac{2}{3} \\ - \frac{1}{3} \\ \hline \end{array}$$

$\frac{1}{3}$

$$\begin{array}{r} \textcircled{18} \quad \frac{5}{6} \\ - \frac{1}{6} \\ \hline \end{array}$$

$\frac{4}{6} = \frac{2}{3}$

$$\begin{array}{r} \textcircled{19} \quad \frac{1}{2} \\ - \frac{1}{2} \\ \hline \end{array}$$

$\frac{0}{2} = 0$

$$\begin{array}{r} \textcircled{20} \quad 5\frac{6}{8} \\ - 3\frac{1}{8} \\ \hline \end{array}$$

$2\frac{5}{8}$

$$\begin{array}{r} \textcircled{21} \quad 3\frac{7}{9} \\ - 1\frac{1}{9} \\ \hline \end{array}$$

$2\frac{6}{9} = 2\frac{2}{3}$

$$\begin{array}{r} \textcircled{22} \quad \frac{1}{3} = \frac{4}{12} \\ - \frac{1}{4} = \frac{3}{12} \\ \hline \end{array}$$

$\frac{1}{12}$

$$\begin{array}{r} \textcircled{23} \quad 2 = 1\frac{2}{2} \\ - \frac{1}{2} = \frac{1}{2} \\ \hline \end{array}$$

$1\frac{1}{2}$

$$\begin{array}{r} \textcircled{24} \quad 5\frac{4}{3} \\ - 6\frac{1}{3} \\ \hline \end{array}$$

$3\frac{2}{3}$

$$\begin{array}{r} \textcircled{25} \quad 4\frac{14}{12} \\ - 2\frac{9}{12} \\ \hline \end{array}$$

$2\frac{5}{12}$

Note: Before turning in your paper, check your work. Make sure all answers are in lowest terms and all final answers are circled.