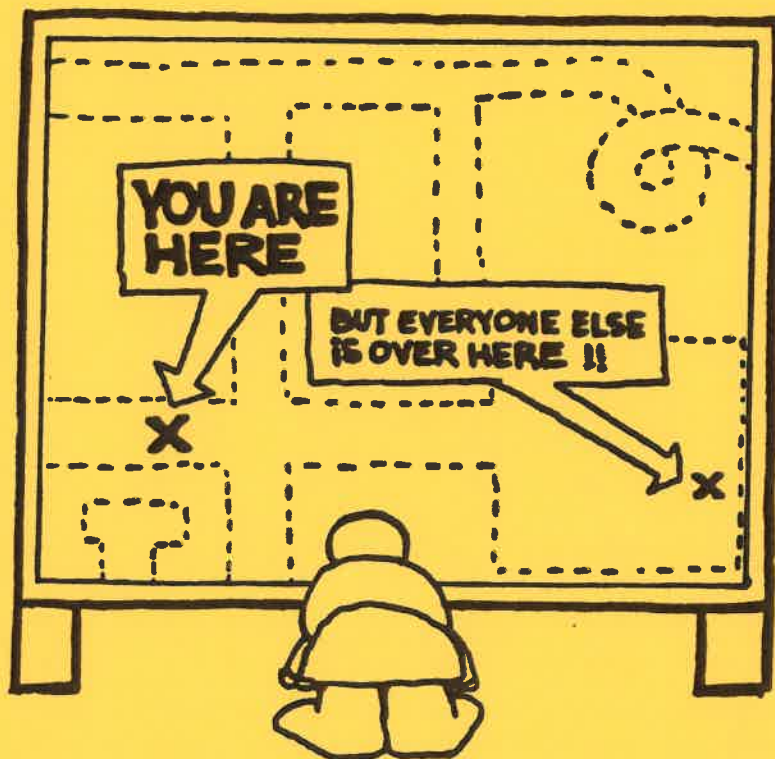


Working With Fractions



Level II: Answer Key

Reducing & Renaming Fractions

PROBLEM SET #1

$$\textcircled{1} \frac{6}{12} = \frac{1}{2}$$

$$\textcircled{12} \frac{21}{28} = \frac{3}{4}$$

$$\textcircled{2} \frac{8}{10} = \frac{4}{5}$$

$$\textcircled{13} \frac{9}{21} = \frac{3}{7}$$

$$\textcircled{3} \frac{15}{25} = \frac{3}{5}$$

$$\textcircled{14} \frac{30}{35} = \frac{6}{7}$$

$$\textcircled{4} \frac{14}{21} = \frac{2}{3}$$

$$\textcircled{15} \frac{22}{55} = \frac{2}{5}$$

$$\textcircled{5} \frac{12}{30} = \frac{2}{5}$$

$$\textcircled{16} 2\frac{1}{4} = \frac{9}{4}$$

$$\textcircled{6} \frac{6}{24} = \frac{1}{4}$$

$$\textcircled{17} 1\frac{2}{7} = \frac{9}{7}$$

$$\textcircled{7} \frac{4}{14} = \frac{2}{7}$$

$$\textcircled{18} 3\frac{2}{3} = \frac{11}{3}$$

$$\textcircled{8} \frac{9}{15} = \frac{3}{5}$$

$$\textcircled{19} 4\frac{5}{8} = \frac{37}{8}$$

$$\textcircled{9} \frac{12}{27} = \frac{4}{9}$$

$$\textcircled{20} 2\frac{3}{5} = \frac{13}{5}$$

$$\textcircled{10} \frac{10}{18} = \frac{5}{9}$$

$$\textcircled{21} 6\frac{3}{4} = \frac{27}{4}$$

$$\textcircled{11} \frac{12}{36} = \frac{1}{3}$$

$$\textcircled{22} 1\frac{6}{7} = \frac{13}{7}$$

$$\textcircled{23} 3\frac{1}{2} = \frac{7}{2}$$

$$\textcircled{24} 4\frac{1}{6} = \frac{25}{6}$$

$$\textcircled{32} \frac{12}{10} = 1\frac{1}{5}$$

$$\textcircled{25} 2\frac{4}{5} = \frac{14}{5}$$

$$\textcircled{33} \frac{14}{8} = 1\frac{3}{4}$$

$$\textcircled{26} 1\frac{9}{10} = \frac{19}{10}$$

$$\textcircled{34} \frac{15}{12} = 1\frac{1}{4}$$

$$\textcircled{27} 5\frac{2}{9} = \frac{47}{9}$$

$$\textcircled{35} \frac{20}{8} = 2\frac{1}{2}$$

$$\textcircled{28} \frac{7}{5} = 1\frac{2}{5}$$

$$\textcircled{36} \frac{28}{22} = 1\frac{3}{11}$$

$$\textcircled{29} \frac{8}{3} = 2\frac{2}{3}$$

$$\textcircled{37} \frac{18}{9} = 2$$

$$\textcircled{30} \frac{9}{2} = 4\frac{1}{2}$$

$$\textcircled{38} \frac{21}{6} = 3\frac{1}{2}$$

$$\textcircled{31} \frac{9}{6} = 1\frac{1}{2}$$

$$\textcircled{39} \frac{24}{20} = 1\frac{1}{5}$$



Comparing Fractions & Equivalent Fractions

PROBLEM SET #2

$$\textcircled{1} \frac{2}{3} < \frac{3}{4}$$

$$\textcircled{2} \frac{5}{7} < \frac{7}{9}$$

$$\textcircled{3} \frac{16}{5} > \frac{3}{8}^{15}$$

$$\textcircled{4} \frac{21}{11} < \frac{2}{7}^{22}$$

$$\textcircled{5} \frac{28}{9} > \frac{3}{7}^{27}$$

$$\textcircled{6} 1\frac{2}{3} \quad \frac{7}{4}$$

$$\frac{20}{5} < \frac{7}{4}^{21}$$

$$\textcircled{7} 2\frac{1}{3} \quad \frac{5}{2}$$

$$\frac{14}{7} < \frac{5}{2}^{15}$$

$$\textcircled{8} \frac{9}{5} \quad 1\frac{3}{4}$$

$$\frac{36}{9} > \frac{7}{4}^{35}$$

$$\textcircled{9} \frac{9}{4} \quad 2\frac{2}{5}$$

$$\frac{45}{9} < \frac{12}{5}^{48}$$

$$\textcircled{10} 3\frac{3}{4} \quad \frac{11}{3}$$

$$\frac{45}{15} > \frac{11}{3}^{44}$$

$$\textcircled{11} \frac{3}{7} = \frac{n}{14}^{42}$$

$$42 \div 7 = 6$$

$$n = 6$$

$$\textcircled{12} \frac{2}{n} = \frac{6}{15}^{30}$$

$$30 \div 6 = 5$$

$$n = 5$$

$$\textcircled{13} \frac{60}{n} = \frac{12}{20}^{60}$$

$$60 \div 12 = 5$$

$$n = 5$$

$$\textcircled{14} \frac{72}{8} = \frac{9}{n}^{72}$$

$$72 \div 6 = 12$$

$$n = 12$$

$$\textcircled{15} \frac{18}{6} = \frac{3}{n}^{18}$$

$$18 \div 2 = 9$$

$$n = 9$$

$$\textcircled{16} \frac{72}{n} = \frac{8}{12}^{72}$$

$$72 \div 8 = 9$$

$$n = 9$$

$$\textcircled{17} \frac{120}{n} = \frac{8}{10}^{120}$$

$$120 \div 8 = 15$$

$$n = 15$$

$$\textcircled{18} \frac{60}{15} = \frac{4}{n}^{60}$$

$$60 \div 10 = 6$$

$$n = 6$$

$$\textcircled{19} \frac{7}{21} = \frac{1}{n}^{21}$$

$$21 \div 7 = 3$$

$$n = 3$$

$$\textcircled{20} \frac{2}{8} = \frac{n}{12}^{24}$$

$$24 \div 8 = 3$$

$$n = 3$$

$$\textcircled{21} \frac{12}{28} = \frac{3}{7}$$

$$\textcircled{22} \frac{20}{25} = \frac{4}{5}$$

$$\textcircled{23} \frac{9}{21} = \frac{3}{7}$$

$$\textcircled{24} 3\frac{1}{2} = \frac{7}{2}$$

$$\textcircled{25} 2\frac{1}{5} = \frac{11}{5}$$

$$\textcircled{26} 3\frac{5}{9} = \frac{32}{9}$$

$$\textcircled{27} \frac{16}{6} = 2\frac{2}{3}$$

$$\textcircled{28} \frac{21}{7} = 3$$

$$\textcircled{29} \frac{14}{10} = 1\frac{2}{5}$$

Adding & Subtracting Fractions

PROBLEM SET #3

$$\textcircled{1} \begin{array}{r} 2 \times 4 \quad 8 \\ \frac{5 \times 4}{4 \times 5} \quad \frac{8}{20} \\ + \frac{1 \times 5}{4 \times 5} \quad + \frac{5}{20} \\ \hline \frac{13}{20} \end{array}$$

$$\textcircled{3} \begin{array}{r} 5 \times 3 \quad 15 \\ \frac{7 \times 3}{3 \times 7} \quad \frac{15}{21} \\ + \frac{1 \times 7}{3 \times 7} \quad + \frac{7}{21} \\ \hline \frac{22}{21} = 1\frac{1}{21} \end{array}$$

$$\textcircled{2} \begin{array}{r} 5 \times 2 \quad 10 \\ \frac{6 \times 2}{4 \times 3} \quad \frac{10}{12} \\ + \frac{3 \times 3}{4 \times 3} \quad + \frac{9}{12} \\ \hline \frac{19}{12} = 1\frac{7}{12} \end{array}$$

$$\textcircled{4} \begin{array}{r} 7 \times 1 \quad 7 \\ \frac{8 \times 1}{4 \times 2} \quad \frac{7}{8} \\ + \frac{3 \times 2}{4 \times 2} \quad + \frac{6}{8} \\ \hline \frac{13}{8} = 1\frac{5}{8} \end{array}$$

$$\begin{array}{r} \textcircled{5} \quad \frac{1 \times 7}{2 \times 7} \quad \frac{7}{14} \\ + \frac{3 \times 2}{7 \times 2} + \frac{6}{14} \\ \hline \frac{13}{14} \end{array}$$

$$\begin{array}{r} \textcircled{11} \quad \frac{5 \times 1}{8 \times 1} \quad \frac{5}{8} \\ - \frac{1 \times 2}{4 \times 2} - \frac{2}{8} \\ \hline \frac{3}{8} \end{array}$$

$$\begin{array}{r} \textcircled{17} \quad \frac{1 \times 3}{4 \times 3} \quad \frac{3}{12} \\ - \frac{1 \times 2}{6 \times 2} - \frac{2}{12} \\ \hline \frac{1}{12} \end{array}$$

$$\textcircled{21} \quad \frac{8}{28} = \frac{2}{7}$$

$$\textcircled{22} \quad \frac{16}{24} = \frac{2}{3}$$

$$\begin{array}{r} \textcircled{6} \quad \frac{5 \times 2}{9 \times 2} \quad \frac{10}{18} \\ + \frac{5 \times 3}{6 \times 3} + \frac{15}{18} \\ \hline \frac{25}{18} = 1\frac{7}{18} \end{array}$$

$$\begin{array}{r} \textcircled{12} \quad \frac{2 \times 5}{3 \times 5} \quad \frac{10}{15} \\ - \frac{1 \times 3}{5 \times 3} - \frac{3}{15} \\ \hline \frac{7}{15} \end{array}$$

$$\begin{array}{r} \textcircled{18} \quad \frac{5 \times 3}{7 \times 3} \quad \frac{15}{21} \\ - \frac{1 \times 7}{3 \times 7} - \frac{7}{21} \\ \hline \frac{8}{21} \end{array}$$

$$\textcircled{23} \quad \frac{25}{30} = \frac{5}{6}$$

$$\textcircled{24} \quad 2\frac{1}{6} = \frac{13}{6}$$

$$\textcircled{25} \quad 4\frac{2}{3} = \frac{14}{3}$$

$$\begin{array}{r} \textcircled{7} \quad \frac{5 \times 2}{12 \times 2} \quad \frac{10}{24} \\ + \frac{7 \times 3}{8 \times 3} + \frac{21}{24} \\ \hline \frac{31}{24} = 1\frac{7}{24} \end{array}$$

$$\begin{array}{r} \textcircled{13} \quad \frac{7 \times 3}{8 \times 3} \quad \frac{21}{24} \\ - \frac{5 \times 4}{6 \times 4} - \frac{20}{24} \\ \hline \frac{1}{24} \end{array}$$

$$\begin{array}{r} \textcircled{19} \quad \frac{7 \times 2}{10 \times 2} \quad \frac{14}{20} \\ - \frac{1 \times 5}{4 \times 5} - \frac{5}{20} \\ \hline \frac{9}{20} \end{array}$$

$$\textcircled{26} \quad \frac{15}{10} = 1\frac{1}{2}$$

$$\textcircled{27} \quad \frac{18}{15} = 1\frac{1}{5}$$

$$\textcircled{28} \quad \frac{3}{7} < \frac{4}{9}$$

$$\begin{array}{r} \textcircled{8} \quad \frac{4 \times 3}{5 \times 3} \quad \frac{12}{15} \\ + \frac{2 \times 5}{3 \times 5} + \frac{10}{15} \\ \hline \frac{22}{15} = 1\frac{7}{15} \end{array}$$

$$\begin{array}{r} \textcircled{14} \quad \frac{3 \times 3}{4 \times 3} \quad \frac{9}{12} \\ - \frac{1 \times 4}{3 \times 4} - \frac{4}{12} \\ \hline \frac{5}{12} \end{array}$$

$$\begin{array}{r} \textcircled{20} \quad \frac{5 \times 1}{8 \times 1} \quad \frac{5}{8} \\ - \frac{1 \times 4}{2 \times 4} - \frac{4}{8} \\ \hline \frac{1}{8} \end{array}$$

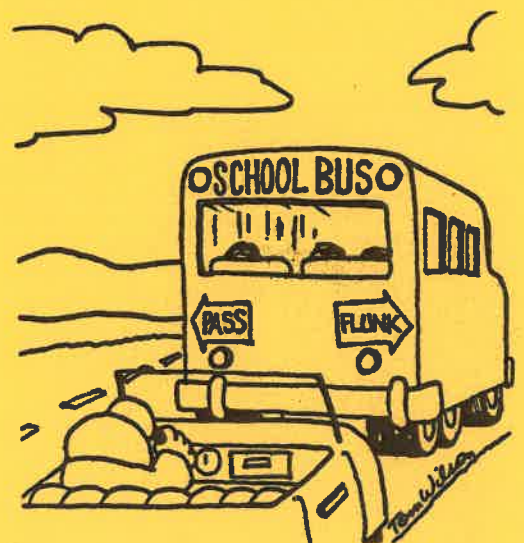
$$\textcircled{29} \quad \frac{1}{2} < \frac{5}{3}$$

$$\begin{array}{r} \textcircled{9} \quad \frac{3 \times 3}{7 \times 3} \quad \frac{9}{21} \\ + \frac{2 \times 7}{3 \times 7} + \frac{14}{21} \\ \hline \frac{23}{21} = 1\frac{2}{21} \end{array}$$

$$\begin{array}{r} \textcircled{15} \quad \frac{2 \times 7}{5 \times 7} \quad \frac{14}{35} \\ - \frac{1 \times 5}{7 \times 5} - \frac{5}{35} \\ \hline \frac{9}{35} \end{array}$$

$$\begin{array}{r} \textcircled{10} \quad \frac{3 \times 2}{5 \times 2} \quad \frac{6}{10} \\ + \frac{9 \times 1}{10 \times 1} + \frac{9}{10} \\ \hline \frac{15}{10} = 1\frac{1}{2} \end{array}$$

$$\begin{array}{r} \textcircled{16} \quad \frac{5 \times 2}{6 \times 2} \quad \frac{10}{12} \\ - \frac{7 \times 1}{12 \times 1} - \frac{7}{12} \\ \hline \frac{3}{12} = \frac{1}{4} \end{array}$$



$$\textcircled{30} \quad 2\frac{3}{4} \quad \frac{13}{5}$$

$$\begin{array}{r} 55 \\ 11 \\ \hline 4 \end{array} > \frac{13}{5} \quad \begin{array}{r} 52 \\ 13 \\ \hline 5 \end{array}$$

$$\textcircled{32} \quad \frac{6}{10} = \frac{9}{n}$$

$$90 \div 6 = 15$$

$$n = 15$$

$$\textcircled{4} \quad 3\frac{3}{5} \times 6 \quad 3\frac{18}{30}$$

$$\begin{array}{r} +2\frac{5}{6} \times 5 \\ \hline \end{array} \quad \begin{array}{r} +2\frac{25}{30} \\ \hline \end{array}$$

$$5\frac{43}{30} = 6\frac{13}{30}$$

$$\textcircled{31} \quad \frac{8}{10} = \frac{5}{n}$$

$$40 \div 10 = 4$$

$$n = 4$$

$$\textcircled{33} \quad \frac{2}{n} = \frac{3}{18}$$

$$36 \div 3 = 12$$

$$n = 12$$

$$\textcircled{5} \quad 4\frac{3}{8} \times 1 \quad 4\frac{3}{8}$$

$$\begin{array}{r} +2\frac{3}{4} \times 2 \\ \hline \end{array} \quad \begin{array}{r} +2\frac{6}{8} \\ \hline \end{array}$$

$$6\frac{9}{8} = 7\frac{1}{8}$$

Adding & Subtracting Mixed Numerals

PROBLEM SET #4

$$\textcircled{6} \quad 1\frac{5}{6} \times 4 \quad 1\frac{20}{24}$$

$$\begin{array}{r} +6\frac{3}{8} \times 3 \\ \hline \end{array} \quad \begin{array}{r} +6\frac{9}{24} \\ \hline \end{array}$$

$$7\frac{29}{24} = 8\frac{5}{24}$$

$$\textcircled{7} \quad 4\frac{1}{3} \times 7 \quad 4\frac{7}{21}$$

$$\begin{array}{r} +2\frac{6}{7} \times 3 \\ \hline \end{array} \quad \begin{array}{r} +2\frac{18}{21} \\ \hline \end{array}$$

$$6\frac{25}{21} = 7\frac{4}{21}$$

$$\textcircled{8} \quad 6\frac{1}{4} \times 3 \quad 6\frac{3}{12}$$

$$\begin{array}{r} +2\frac{5}{6} \times 2 \\ \hline \end{array} \quad \begin{array}{r} +2\frac{10}{12} \\ \hline \end{array}$$

$$8\frac{13}{12} = 9\frac{1}{12}$$

$$\textcircled{9} \quad 3\frac{7}{8} \times 3 \quad 3\frac{21}{24}$$

$$\begin{array}{r} +5\frac{1}{6} \times 4 \\ \hline \end{array} \quad \begin{array}{r} +5\frac{4}{24} \\ \hline \end{array}$$

$$8\frac{25}{24} = 9\frac{1}{24}$$

$$\textcircled{10} \quad 4\frac{5}{6} \times 5 \quad 4\frac{25}{30}$$

$$\begin{array}{r} +2\frac{3}{10} \times 3 \\ \hline \end{array} \quad \begin{array}{r} +2\frac{9}{30} \\ \hline \end{array}$$

$$6\frac{34}{30} = 7\frac{2}{15}$$

$$\textcircled{1} \quad 2\frac{2}{3} \times 4 \quad 2\frac{8}{12}$$

$$\begin{array}{r} +4\frac{3}{4} \times 3 \\ \hline \end{array} \quad \begin{array}{r} +4\frac{9}{12} \\ \hline \end{array}$$

$$6\frac{17}{12} = 7\frac{5}{12}$$

$$\textcircled{2} \quad 1\frac{5}{6} \times 1 \quad 1\frac{5}{6}$$

$$\begin{array}{r} +5\frac{1}{3} \times 2 \\ \hline \end{array} \quad \begin{array}{r} +5\frac{2}{6} \\ \hline \end{array}$$

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

$$\textcircled{3} \quad 4\frac{7}{10} \times 3 \quad 4\frac{21}{30}$$

$$\begin{array}{r} +2\frac{2}{15} \times 2 \\ \hline \end{array} \quad \begin{array}{r} +2\frac{4}{30} \\ \hline \end{array}$$

$$6\frac{25}{30} = 6\frac{5}{6}$$

$$\begin{array}{r} \textcircled{11} 4\frac{2}{5} \times 4 \quad 4\frac{8}{20} \\ -1\frac{1}{4} \times 5 \quad -1\frac{5}{20} \\ \hline 3\frac{3}{20} \end{array}$$

$$\begin{array}{r} \textcircled{12} 8\frac{6}{7} \times 5 \quad 8\frac{30}{35} \\ -2\frac{1}{5} \times 7 \quad -2\frac{7}{35} \\ \hline 6\frac{23}{35} \end{array}$$

$$\begin{array}{r} \textcircled{13} 6\frac{2}{3} \\ -3 \\ \hline 3\frac{2}{3} \end{array}$$

$$\begin{array}{r} \textcircled{14} 4\frac{5}{8} \times 3 \quad 4\frac{15}{24} \\ -2\frac{1}{6} \times 4 \quad -2\frac{4}{24} \\ \hline 2\frac{11}{24} \end{array}$$

$$\begin{array}{r} \textcircled{15} 6\frac{3}{4} \times 2 \quad 6\frac{6}{8} \\ -4\frac{3}{8} \times 1 \quad -4\frac{3}{8} \\ \hline 2\frac{3}{8} \end{array}$$

$$\begin{array}{r} \textcircled{16} 7\frac{9}{10} \times 2 \quad 7\frac{18}{20} \\ -3\frac{3}{4} \times 5 \quad -3\frac{15}{20} \\ \hline 4\frac{3}{20} \end{array}$$

$$\begin{array}{r} \textcircled{17} 5\frac{4}{5} \\ -3 \\ \hline 2\frac{4}{5} \end{array}$$

$$\begin{array}{r} \textcircled{18} 4\frac{5}{6} \times 1 \quad 4\frac{5}{6} \\ -3\frac{2}{3} \times 2 \quad -3\frac{4}{6} \\ \hline 1\frac{1}{6} \end{array}$$

$$\begin{array}{r} \textcircled{19} 7\frac{1}{3} \times 4 \quad 7\frac{4}{12} \\ -3\frac{1}{4} \times 3 \quad -3\frac{3}{12} \\ \hline 4\frac{1}{12} \end{array}$$

$$\begin{array}{r} \textcircled{20} 8\frac{2}{5} \times 9 \quad 8\frac{18}{45} \\ -2\frac{2}{9} \times 5 \quad -2\frac{10}{45} \\ \hline 6\frac{8}{45} \end{array}$$

$$\textcircled{21} \frac{12}{27} = \frac{4}{9}$$

$$\textcircled{22} \frac{25}{30} = \frac{5}{6}$$

$$\textcircled{23} 4\frac{3}{7} = \frac{31}{7}$$

$$\textcircled{24} 5\frac{1}{2} = \frac{11}{2}$$

$$\textcircled{25} \frac{21}{15} = 1\frac{2}{5}$$



OPPORTUNITY KNOCKED
AT MY DOOR ONCE....
...SLIPPED ON MY WELCOME MAT,
AND SUED ME FOR \$75,000.

$$\textcircled{26} \frac{28}{21} = 1\frac{1}{3} \quad \textcircled{28} \frac{36}{n} = \frac{6}{9}$$

$$\textcircled{27} 2\frac{1}{3} \times \frac{5}{2} \quad 36 \div 6 = 6$$

$$14 \frac{7}{3} < \frac{5}{2} \times 15 \quad n = 6$$

Subtracting Fractions With Borrowing

PROBLEM SET #5

$$\textcircled{1} \begin{array}{r} 6\frac{2}{5} \times 3 \quad 6\frac{6}{15} \\ -2\frac{2}{3} \times 5 \quad -2\frac{10}{15} \\ \hline 3\frac{11}{15} \end{array}$$

$$\textcircled{2} \begin{array}{r} 8\frac{1}{4} \times 3 \quad 8\frac{3}{12} \\ -3\frac{5}{6} \times 2 \quad -3\frac{10}{12} \\ \hline 4\frac{5}{12} \end{array}$$

$$\textcircled{3} \begin{array}{r} 5 \quad 5\frac{7}{7} \\ -2\frac{5}{7} \quad -2\frac{5}{7} \\ \hline 2\frac{2}{7} \end{array}$$

$$\textcircled{4} \begin{array}{r} 7\frac{3}{8} \times 1 \quad 7\frac{3}{8} \\ -2\frac{3}{4} \times 2 \quad -2\frac{6}{8} \\ \hline 4\frac{5}{8} \end{array}$$

$$\begin{array}{r} \textcircled{5} \quad 5\frac{1}{3} \times 4 \\ \quad -1\frac{1}{4} \times 3 \\ \hline \quad \quad 4\frac{1}{12} \end{array}$$

$$\begin{array}{r} \textcircled{12} \quad 6\frac{3}{4} \times 2 \\ \quad -2\frac{7}{8} \times 1 \\ \hline \quad \quad 3\frac{7}{8} \end{array}$$

$$\begin{array}{r} \textcircled{19} \quad 2\frac{1}{3} \times 5 \\ \quad +6\frac{4}{5} \times 3 \\ \hline \quad \quad 8\frac{17}{15} = 9\frac{2}{15} \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad 8 \\ \quad -3\frac{3}{5} \\ \hline \quad \quad 4\frac{2}{5} \end{array}$$

$$\begin{array}{r} \textcircled{13} \quad 6 \\ \quad -1\frac{7}{9} \\ \hline \quad \quad 4\frac{2}{9} \end{array}$$

$$\begin{array}{r} \textcircled{20} \quad 1\frac{1}{2} \times 9 \\ \quad +5\frac{5}{9} \times 2 \\ \hline \quad \quad 6\frac{19}{18} = 7\frac{1}{18} \end{array}$$

$$\begin{array}{r} \textcircled{7} \quad 6\frac{1}{2} \times 3 \\ \quad -2\frac{2}{3} \times 2 \\ \hline \quad \quad 3\frac{5}{6} \end{array}$$

$$\begin{array}{r} \textcircled{14} \quad 4\frac{3}{8} \times 3 \\ \quad -2\frac{2}{3} \times 8 \\ \hline \quad \quad 1\frac{17}{24} \end{array}$$

$$\textcircled{21} \quad \frac{20}{24} = \frac{5}{6} \quad \textcircled{22} \quad \frac{18}{27} = \frac{2}{3}$$

$$\begin{array}{r} \textcircled{8} \quad 9\frac{7}{10} \times 2 \\ \quad -5\frac{1}{4} \times 5 \\ \hline \quad \quad 4\frac{9}{20} \end{array}$$

$$\begin{array}{r} \textcircled{15} \quad 9\frac{3}{5} \times 4 \\ \quad -2\frac{3}{4} \times 5 \\ \hline \quad \quad 6\frac{17}{20} \end{array}$$

$$\textcircled{25} \quad \frac{26}{8} = 3\frac{1}{4} \quad \textcircled{26} \quad \frac{30}{12} = 2\frac{1}{2}$$

$$\textcircled{27} \quad \frac{80}{11} > \frac{77}{16}$$

$$\begin{array}{r} \textcircled{9} \quad 8\frac{3}{4} \times 3 \\ \quad -1\frac{5}{6} \times 2 \\ \hline \quad \quad 6\frac{11}{12} \end{array}$$

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

$$\textcircled{28} \quad 1\frac{5}{7} \quad \frac{9}{5}$$

$${}^{60} \frac{12}{7} < \frac{9}{5} {}^{63}$$

$$\textcircled{29} \quad \frac{4}{n} = \frac{5}{15} \quad 60 \div 5 = 12$$

$$n = 12$$

$$\begin{array}{r} \textcircled{10} \quad 9\frac{1}{4} \times 3 \\ \quad -2\frac{1}{3} \times 4 \\ \hline \quad \quad 6\frac{11}{12} \end{array}$$

$$\begin{array}{r} \textcircled{17} \quad 4\frac{3}{8} \times 3 \\ \quad +2\frac{2}{3} \times 8 \\ \hline \quad \quad 6\frac{25}{24} = 7\frac{1}{24} \end{array}$$

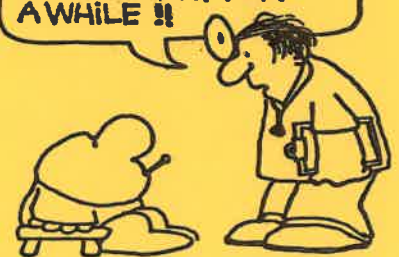
$$\textcircled{30} \quad \frac{4}{6} = \frac{n}{15} \quad 60 \div 6 = 10$$

$$n = 10$$

$$\begin{array}{r} \textcircled{11} \quad 7\frac{2}{7} \times 3 \\ \quad -1\frac{2}{3} \times 7 \\ \hline \quad \quad 5\frac{13}{21} \end{array}$$

$$\begin{array}{r} \textcircled{18} \quad 6\frac{1}{4} \times 2 \\ \quad +3\frac{7}{8} \times 1 \\ \hline \quad \quad 9\frac{9}{8} = 10\frac{1}{8} \end{array}$$

YOU SHOULD BE ALL RIGHT
... JUST AVOID THE
ENVIRONMENT FOR
A WHILE !!



Multiplying Fractions

PROBLEM SET #6

TODAY IS THE FIRST DAY OF THE REST OF YOUR LIFE
(... ONLY ONE TO A CUSTOMER!)



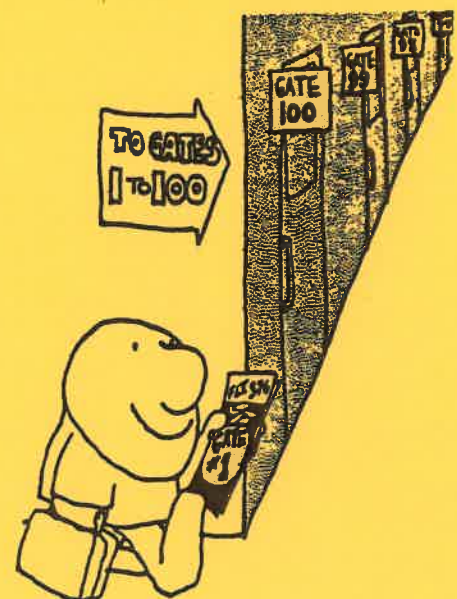
$$\textcircled{25} \frac{6}{10} = \frac{9}{n} \quad 90 \div 6 = 15 \quad n = 15$$

$$\textcircled{26} \begin{array}{r} \frac{3}{4} \times 5 = \frac{15}{20} \\ \frac{3}{5} \times 4 = \frac{12}{20} \\ \hline \frac{27}{20} = 1 \frac{7}{20} \end{array}$$

$$\textcircled{27} \begin{array}{r} 2 \frac{1}{3} \times 4 = 2 \frac{4}{12} \\ + 1 \frac{3}{4} \times 3 = 1 \frac{9}{12} \\ \hline 3 \frac{13}{12} = 4 \frac{1}{12} \end{array}$$

$$\textcircled{28} \begin{array}{r} 5 \frac{2}{5} \times 3 = 5 \frac{6}{5} \\ - 2 \frac{2}{3} \times 5 = -2 \frac{10}{15} \\ \hline 2 \frac{11}{15} \end{array}$$

$$\textcircled{29} \begin{array}{r} 6 \frac{1}{4} \times 3 = 6 \frac{3}{12} \\ - 1 \frac{5}{6} \times 2 = -1 \frac{10}{12} \\ \hline 4 \frac{5}{12} \end{array}$$



$$\textcircled{1} \frac{2}{5} \times \frac{1}{3} = \frac{2}{15}$$

$$\textcircled{13} \frac{1}{4} \times \frac{1}{3} = \frac{1}{12}$$

$$\textcircled{2} \frac{3}{4} \times \frac{3}{5} = \frac{9}{20}$$

$$\textcircled{14} \frac{3}{8} \times 4 = \frac{12}{8} = 1 \frac{1}{2}$$

$$\textcircled{3} \frac{1}{5} \times \frac{2}{7} = \frac{2}{35}$$

$$\textcircled{15} \frac{2}{3} \times 5 = \frac{10}{3} = 3 \frac{1}{3}$$

$$\textcircled{4} \frac{5}{6} \times \frac{1}{2} = \frac{5}{12}$$

$$\textcircled{16} \frac{3}{5} \times \frac{5}{6} = \frac{15}{30} = \frac{1}{2}$$

$$\textcircled{5} \frac{3}{4} \times \frac{2}{5} = \frac{6}{20} = \frac{3}{10}$$

$$\textcircled{17} \frac{1}{9} \times \frac{3}{4} = \frac{3}{36} = \frac{1}{12}$$

$$\textcircled{6} \frac{2}{3} \times \frac{5}{6} = \frac{10}{18} = \frac{5}{9}$$

$$\textcircled{18} \frac{9}{10} \times \frac{2}{3} = \frac{18}{30} = \frac{3}{5}$$

$$\textcircled{7} \frac{1}{10} \times \frac{2}{5} = \frac{2}{50} = \frac{1}{25}$$

$$\textcircled{19} \frac{1}{8} \times \frac{4}{5} = \frac{4}{40} = \frac{1}{10}$$

$$\textcircled{8} \frac{1}{2} \times 6 = \frac{6}{2} = 3$$

$$\textcircled{20} \frac{3}{7} \times \frac{7}{9} = \frac{21}{63} = \frac{1}{3}$$

$$\textcircled{9} \frac{5}{8} \times 8 = \frac{40}{8} = 5$$

$$\textcircled{21} \frac{18}{21} = \frac{6}{7}$$

$$\textcircled{10} \frac{2}{7} \times \frac{5}{8} = \frac{10}{56} = \frac{5}{28}$$

$$\textcircled{22} 3 \frac{2}{5} = \frac{17}{5}$$

$$\textcircled{11} \frac{3}{4} \times \frac{5}{6} = \frac{15}{24} = \frac{5}{8}$$

$$\textcircled{23} \frac{24}{9} = 2 \frac{2}{3}$$

$$\textcircled{12} \frac{2}{9} \times \frac{3}{5} = \frac{6}{45} = \frac{2}{15}$$

$$\textcircled{24} \frac{72}{12} = \frac{6}{9}$$

Multiplying Fractions With Cross Reducing

PROBLEM SET #7



$$\textcircled{22} 4\frac{2}{3} = \frac{14}{3}$$

$$\textcircled{23} \frac{26}{14} = 1\frac{6}{7}$$

$$\textcircled{24} 2\frac{2}{5} \frac{7}{3}$$

$${}^{36} \frac{12}{5} > \frac{7}{3} {}^{35}$$

$$\textcircled{25} \frac{4}{10} = \frac{n}{15} {}^{60}$$

$$60 \div 10 = 6$$

$$n = 6$$

$$\textcircled{26} \begin{array}{r} 1\frac{3}{8} \times 1 \\ + 2\frac{3}{4} \times 2 \\ \hline 3\frac{9}{8} = 4\frac{1}{8} \end{array} \quad \begin{array}{r} 1\frac{3}{8} \\ + 2\frac{6}{8} \\ \hline 3\frac{9}{8} = 4\frac{1}{8} \end{array}$$

$$\textcircled{27} \begin{array}{r} 4\frac{1}{3} \times 7 \\ + 3\frac{5}{7} \times 3 \\ \hline 7\frac{22}{21} = 8\frac{1}{21} \end{array} \quad \begin{array}{r} 4\frac{7}{21} \\ + 3\frac{15}{21} \\ \hline 7\frac{22}{21} = 8\frac{1}{21} \end{array}$$

$$\textcircled{28} \begin{array}{r} 9 \\ - 2\frac{4}{5} \\ \hline 6\frac{1}{5} \end{array} \quad \begin{array}{r} {}^8 9\frac{5}{5} \\ - 2\frac{4}{5} \\ \hline 6\frac{1}{5} \end{array}$$

$$\textcircled{29} \begin{array}{r} 6\frac{3}{8} \times 3 \\ - 2\frac{5}{6} \times 4 \\ \hline 3\frac{13}{24} \end{array} \quad \begin{array}{r} {}^5 9\frac{33}{24} \\ - 2\frac{20}{24} \\ \hline 3\frac{13}{24} \end{array}$$

$$\textcircled{1} \frac{15}{6} \times \frac{7}{10} = \frac{7}{12}$$

$$\textcircled{12} \frac{216}{321} \times \frac{17}{24} = \frac{2}{9}$$

$$\textcircled{2} \frac{112}{13} \times \frac{5}{24} = \frac{5}{26}$$

$$\textcircled{13} \frac{2}{15} \times 210 = 4$$

$$\textcircled{3} \frac{17}{525} \times \frac{210}{321} = \frac{2}{15}$$

$$\textcircled{14} 214 \times \frac{4}{17} = 8$$

$$\textcircled{4} \frac{26}{17} \times \frac{214}{515} = \frac{4}{5}$$

$$\textcircled{15} \frac{19}{14} \times \frac{22}{327} = \frac{2}{3}$$

$$\textcircled{5} \frac{28}{312} \times \frac{4}{5} = \frac{8}{15}$$

$$\textcircled{16} \frac{18}{39} \times \frac{412}{324} = \frac{4}{9}$$

$$\textcircled{6} \frac{4}{7} \times \frac{412}{515} = \frac{16}{35}$$

$$\textcircled{17} \frac{212}{555} \times \frac{11}{318} = \frac{2}{15}$$

$$\textcircled{7} \frac{48}{39} \times \frac{13}{510} = \frac{4}{15}$$

$$\textcircled{18} \frac{214}{315} \times \frac{210}{321} = \frac{4}{9}$$

$$\textcircled{8} \frac{39}{510} \times \frac{24}{515} = \frac{6}{25}$$

$$\textcircled{19} \frac{28}{315} \times \frac{15}{312} = \frac{2}{9}$$

$$\textcircled{9} 36 \times \frac{3}{24} = \frac{9}{2} = 4\frac{1}{2}$$

$$\textcircled{20} \frac{39}{918} \times \frac{24}{26}$$

$$\frac{13}{39} \times \frac{12}{12} = \frac{1}{3}$$

$$\textcircled{10} \frac{3}{28} \times 312 = \frac{9}{2} = 4\frac{1}{2}$$

$$\textcircled{21} \frac{21}{35} = \frac{3}{5}$$

$$\textcircled{11} \frac{212}{113} \times \frac{13}{318} = \frac{2}{3}$$

$$\textcircled{30} \begin{array}{r} 4\frac{1}{2} \times 7 \\ \times 7 \\ \hline -1\frac{6}{7} \times 2 \\ \times 2 \\ \hline 2\frac{9}{14} \end{array}$$

$$\textcircled{31} \begin{array}{r} 8\frac{2}{3} \times 5 \\ \times 5 \\ \hline -4\frac{4}{5} \times 3 \\ \times 3 \\ \hline 3\frac{13}{15} \end{array}$$

$$\textcircled{13} 12 \times 1\frac{1}{8}$$

$$3 \times 2 \times \frac{9}{2} = \frac{27}{2} = 13\frac{1}{2}$$

$$\textcircled{14} 1\frac{1}{6} \times 8$$

$$\frac{7}{6} \times \frac{48}{6} = \frac{28}{3} = 9\frac{1}{3}$$

$$\textcircled{15} 1\frac{2}{5} \times \frac{10}{11}$$

$$1\frac{7}{5} \times \frac{20}{11} = \frac{14}{11} = 1\frac{3}{11}$$

$$\textcircled{16} \frac{15}{16} \times 2\frac{2}{3}$$

$$\frac{5 \times 15}{2 \times 16} \times \frac{8}{3} = \frac{5}{2} = 2\frac{1}{2}$$

$$\textcircled{17} \frac{7}{21} \times 2\frac{1}{2}$$

$$\frac{1 \times 7}{3 \times 21} \times \frac{5}{2} = \frac{5}{6}$$

$$\textcircled{18} 1\frac{2}{3} \times \frac{10}{16}$$

$$\frac{5}{3} \times \frac{5 \times 10}{8 \times 16} = \frac{25}{24} = 1\frac{1}{24}$$

$$\textcircled{19} 1\frac{5}{6} \times \frac{9}{11}$$

$$\frac{1 \times 11}{2 \times 6} \times \frac{3 \times 9}{11 \times 2} = \frac{3}{2} = 1\frac{1}{2}$$

$$\textcircled{20} 1\frac{7}{8} \times 2\frac{2}{5}$$

$$\frac{3 \times 15}{2 \times 8} \times \frac{3 \times 12}{1 \times 5} = \frac{9}{2} = 4\frac{1}{2}$$

$$\textcircled{21} \frac{18}{24} = \frac{3}{4}$$

$$\textcircled{22} 6\frac{2}{5} = \frac{32}{5}$$

$$\textcircled{23} \frac{28}{16} = 1\frac{3}{4}$$

Multiplying Fractions & Mixed Numerals

PROBLEM SET #8



$$\textcircled{1} 1\frac{3}{5} \times 1\frac{1}{4}$$

$$\frac{28}{15} \times \frac{15}{14} = 2$$

$$\textcircled{7} \frac{12}{15} \times 1\frac{2}{5}$$

$$\frac{4 \times 12}{5 \times 15} \times \frac{7}{5} = \frac{28}{25} = 1\frac{3}{25}$$

$$\textcircled{2} 4\frac{1}{2} \times 1\frac{7}{9}$$

$$\frac{19}{2} \times \frac{8 \times 16}{19} = 8$$

$$\textcircled{8} 1\frac{1}{3} \times \frac{10}{16}$$

$$\frac{4}{3} \times \frac{2 \times 10}{3 \times 16} = \frac{8}{9}$$

$$\textcircled{3} \frac{3}{4} \times 2\frac{2}{3}$$

$$\frac{13}{4} \times \frac{28}{13} = 2$$

$$\textcircled{9} 1\frac{1}{4} \times 6$$

$$\frac{5}{2 \times 4} \times 3 \times 6 = \frac{15}{2} = 7\frac{1}{2}$$

$$\textcircled{4} 4\frac{2}{3} \times 1\frac{2}{7}$$

$$\frac{2 \times 14}{1 \times 3} \times \frac{3 \times 9}{1 \times 7} = 6$$

$$\textcircled{10} 8 \times 1\frac{1}{6}$$

$$48 \times \frac{7}{3 \times 6} = \frac{28}{3} = 9\frac{1}{3}$$

$$\textcircled{5} 2\frac{1}{2} \times \frac{3}{10}$$

$$\frac{15}{2} \times \frac{3}{2 \times 10} = \frac{3}{4}$$

$$\textcircled{11} 1\frac{3}{7} \times \frac{14}{15}$$

$$\frac{2 \times 10}{1 \times 7} \times \frac{2 \times 14}{3 \times 15} = \frac{4}{3} = 1\frac{1}{3}$$

$$\textcircled{6} \frac{8}{21} \times 1\frac{3}{4}$$

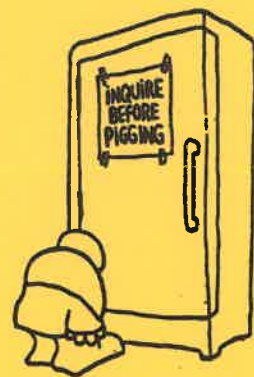
$$\frac{2 \times 8}{3 \times 21} \times \frac{17}{4} = \frac{2}{3}$$

$$\textcircled{12} 1\frac{7}{9} \times \frac{3}{20}$$

$$\frac{4 \times 16}{3 \times 9} \times \frac{13}{5 \times 20} = \frac{4}{15}$$

Dividing Fractions

PROBLEM SET #9



$$\textcircled{24} \quad 2\frac{2}{3} \quad \frac{5}{2}$$

$${}^{16} \frac{8}{3} > {}^{15} \frac{5}{2}$$

$$\textcircled{25} \quad \frac{n}{6} = \frac{6}{4}$$

$$36 \div 4 = 9$$

$$n = 9$$

$$\textcircled{26} \quad \begin{array}{r} 2\frac{1}{4} \times 3 \\ + 5\frac{5}{6} \times 2 \\ \hline \end{array} \quad \begin{array}{r} 2\frac{3}{12} \\ + 5\frac{10}{12} \\ \hline \end{array}$$

$$7\frac{13}{12} = 8\frac{1}{12}$$

$$\textcircled{27} \quad \begin{array}{r} 3\frac{7}{8} \times 3 \\ + 4\frac{1}{6} \times 4 \\ \hline \end{array} \quad \begin{array}{r} 3\frac{21}{24} \\ + 4\frac{4}{24} \\ \hline \end{array}$$

$$7\frac{25}{24} = 8\frac{1}{24}$$

$$\textcircled{28} \quad \begin{array}{r} 7\frac{2}{3} \times 5 \\ - 4\frac{4}{5} \times 3 \\ \hline \end{array} \quad \begin{array}{r} 7\frac{10}{15} \\ - 4\frac{12}{15} \\ \hline \end{array}$$

$$2\frac{13}{15}$$

$$\textcircled{29} \quad \begin{array}{r} 8\frac{2}{5} \times 4 \\ - 1\frac{3}{4} \times 5 \\ \hline \end{array} \quad \begin{array}{r} 7\frac{8}{20} \\ - 1\frac{15}{20} \\ \hline \end{array}$$

$$6\frac{13}{20}$$



$$\textcircled{1} \quad \frac{5}{6} \div \frac{2}{3}$$

$${}^2 \frac{5}{6} \times {}^1 \frac{3}{2} = \frac{5}{4} = 1\frac{1}{4}$$

$$\textcircled{2} \quad \frac{7}{8} \div \frac{1}{4}$$

$${}^2 \frac{7}{8} \times {}^1 \frac{4}{1} = \frac{7}{2} = 3\frac{1}{2}$$

$$\textcircled{3} \quad \frac{3}{7} \div \frac{5}{7}$$

$${}^1 \frac{3}{7} \times {}^1 \frac{7}{5} = \frac{3}{5}$$

$$\textcircled{4} \quad \frac{8}{9} \div \frac{5}{6}$$

$${}^3 \frac{8}{9} \times {}^2 \frac{6}{5} = \frac{16}{5} = 3\frac{1}{5}$$

$$\textcircled{5} \quad \frac{5}{12} \div \frac{10}{11}$$

$${}^1 \frac{5}{12} \times {}^2 \frac{11}{10} = \frac{11}{24}$$

$$\textcircled{6} \quad \frac{4}{9} \div \frac{1}{6}$$

$${}^3 \frac{4}{9} \times {}^2 \frac{6}{1} = \frac{8}{3} = 2\frac{2}{3}$$

$$\textcircled{7} \quad \frac{9}{10} \div \frac{3}{5}$$

$${}^3 \frac{9}{10} \times {}^1 \frac{5}{3} = \frac{3}{2} = 1\frac{1}{2}$$

$$\textcircled{8} \quad \frac{5}{12} \div \frac{5}{9}$$

$${}^1 \frac{5}{12} \times {}^3 \frac{9}{5} = \frac{3}{4}$$

$$\textcircled{9} \quad \frac{4}{7} \div 8$$

$${}^1 \frac{4}{7} \times {}^2 \frac{1}{8} = \frac{1}{14}$$

$$\textcircled{10} \quad \frac{5}{6} \div 10$$

$${}^1 \frac{5}{6} \times {}^2 \frac{1}{10} = \frac{1}{12}$$

$$\textcircled{11} \quad \frac{7}{9} \div \frac{2}{3}$$

$${}^3 \frac{7}{9} \times {}^1 \frac{3}{2} = \frac{7}{6} = 1\frac{1}{6}$$

$$\textcircled{12} \quad \frac{7}{12} \div \frac{7}{8}$$

$${}^1 \frac{7}{12} \times {}^2 \frac{8}{7} = \frac{2}{3}$$

$$\textcircled{13} \quad \frac{5}{8} \div \frac{3}{4}$$

$${}^2 \frac{5}{8} \times {}^1 \frac{4}{3} = \frac{5}{6}$$

$$\textcircled{14} \quad \frac{2}{3} \div \frac{8}{9}$$

$${}^1 \frac{2}{3} \times {}^3 \frac{9}{8} = \frac{3}{4}$$

$$\textcircled{15} \quad \frac{8}{9} \div 4$$

$${}^2 \frac{8}{9} \times {}^1 \frac{1}{4} = \frac{2}{9}$$

$$\textcircled{16} \quad \frac{3}{8} \div 6$$

$${}^1 \frac{3}{8} \times {}^2 \frac{1}{6} = \frac{1}{16}$$

$$\textcircled{17} \frac{5}{6} \div \frac{10}{21}$$

$$\frac{15}{26} \times \frac{7}{21} = \frac{7}{4} = 1\frac{3}{4}$$

$$\textcircled{18} \frac{14}{15} \div \frac{7}{10}$$

$$\frac{28}{315} \times \frac{21}{17} = \frac{4}{3} = 1\frac{1}{3}$$

$$\textcircled{19} \frac{3}{4} \div \frac{9}{10}$$

$$\frac{18}{24} \times \frac{5}{9} = \frac{5}{6}$$

$$\textcircled{20} \frac{3}{7} \div \frac{9}{14}$$

$$\frac{18}{17} \times \frac{2}{9} = \frac{2}{3}$$

$$\textcircled{21} \frac{21}{28} = \frac{3}{4}$$

$$\textcircled{22} 4\frac{5}{6} = \frac{29}{6}$$

$$\textcircled{23} \frac{18}{8} = 2\frac{1}{4}$$

$$\textcircled{24} \frac{7}{3} > \frac{1}{4}$$

$$\frac{28}{3} > \frac{9}{27}$$

$$\textcircled{25} \frac{n}{4} = \frac{10}{5}$$

$$40 \div 5 = 8$$

$$n = 8$$

$$\textcircled{26} \begin{array}{r} 2\frac{1}{4} \times 3 \\ + 3\frac{2}{3} \times 4 \\ \hline \end{array} \quad \begin{array}{r} 2\frac{3}{12} \\ + 3\frac{8}{12} \\ \hline 5\frac{11}{12} \end{array}$$

$$\textcircled{27} \begin{array}{r} 6\frac{5}{8} \times 3 \\ + 2\frac{5}{6} \times 4 \\ \hline \end{array} \quad \begin{array}{r} 6\frac{15}{24} \\ + 2\frac{20}{24} \\ \hline 8\frac{35}{24} = 9\frac{11}{24} \end{array}$$

$$\textcircled{28} \begin{array}{r} 9 \\ - 3\frac{4}{7} \\ \hline \end{array} \quad \begin{array}{r} 8\frac{7}{7} \\ - 3\frac{4}{7} \\ \hline 5\frac{3}{7} \end{array}$$

$$\textcircled{29} \begin{array}{r} 5\frac{2}{5} \times 4 \\ - 2\frac{3}{4} \times 5 \\ \hline \end{array} \quad \begin{array}{r} 4\frac{8}{20} \\ - 2\frac{15}{20} \\ \hline 2\frac{13}{20} \end{array}$$

$$\textcircled{30} 1\frac{1}{5} \times 1\frac{7}{8}$$

$$\frac{3}{5} \times \frac{3}{4} = \frac{9}{4} = 2\frac{1}{4}$$

$$\textcircled{31} 2\frac{1}{3} \times \frac{9}{14}$$

$$\frac{17}{18} \times \frac{3}{2} = \frac{3}{2} = 1\frac{1}{2}$$

Dividing Fractions & Mixed Numerals

PROBLEM SET #10



$$\textcircled{1} 1\frac{3}{5} \div 2\frac{2}{5}$$

$$\frac{8}{5} \div \frac{12}{5}$$

$$\frac{28}{18} \times \frac{15}{12} = \frac{2}{3}$$

$$\textcircled{2} 3\frac{3}{4} \div 1\frac{1}{4}$$

$$\frac{15}{4} \div \frac{15}{4}$$

$$\frac{15}{24} \times \frac{7}{15} = \frac{7}{2} = 3\frac{1}{2}$$

$$\textcircled{3} 4\frac{1}{2} \div 7\frac{1}{2}$$

$$\frac{9}{2} \div \frac{15}{2}$$

$$\frac{3}{12} \times \frac{2}{5} = \frac{3}{5}$$

$$\textcircled{4} 1\frac{3}{4} \div 2\frac{1}{10}$$

$$\frac{7}{4} \div \frac{21}{10}$$

$$\frac{17}{24} \times \frac{5}{21} = \frac{5}{6}$$

$$\textcircled{5} 8 \div 1\frac{1}{3}$$

$$8 \div \frac{4}{3}$$

$$28 \times \frac{3}{4} = 6$$

$$\textcircled{6} 6 \div 1\frac{1}{5}$$

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

$$26 \times \frac{5}{9} = \frac{10}{3} = 3\frac{1}{3}$$

$$\textcircled{7} 2\frac{2}{5} \div 1\frac{1}{8}$$

$$\frac{12}{5} \div \frac{9}{8}$$

$$4 \frac{12}{5} \times \frac{8}{9} = \frac{32}{15} = 2\frac{2}{15}$$

$$\textcircled{8} 4\frac{2}{3} \div 1\frac{1}{7}$$

$$\frac{14}{3} \div \frac{8}{7}$$

$$7 \frac{14}{3} \times \frac{7}{8} = \frac{49}{12} = 4\frac{1}{12}$$

$$\textcircled{9} 3\frac{3}{4} \div 10$$

$$3\frac{15}{4} \times \frac{1}{20} = \frac{3}{8}$$

$$\textcircled{10} 1\frac{5}{7} \div 8$$

$$3\frac{12}{7} \times \frac{1}{8} = \frac{3}{14}$$

$$\textcircled{11} 1\frac{4}{5} \div 2\frac{2}{5}$$

$$\frac{9}{5} \div \frac{12}{5}$$

$$3\frac{9}{5} \times \frac{5}{12} = \frac{3}{4}$$

$$\textcircled{12} 1\frac{5}{7} \div 1\frac{1}{14}$$

$$\frac{12}{7} \div \frac{15}{14}$$

$$4\frac{12}{7} \times \frac{2}{15} = \frac{8}{5} = 1\frac{3}{5}$$

$$\textcircled{13} 5\frac{1}{3} \div 1\frac{5}{7}$$

$$\frac{16}{3} \div \frac{12}{7}$$

$$4\frac{16}{3} \times \frac{7}{12} = \frac{28}{9} = 3\frac{1}{9}$$

$$\textcircled{14} 2\frac{2}{3} \div 1\frac{5}{9}$$

$$\frac{8}{3} \div \frac{14}{9}$$

$$4\frac{8}{3} \times \frac{3}{14} = \frac{12}{7} = 1\frac{5}{7}$$

$$\textcircled{15} 6 \div 1\frac{3}{5}$$

$$6 \div \frac{8}{5}$$

$$3\frac{6}{5} \times \frac{5}{8} = \frac{15}{4} = 3\frac{3}{4}$$

$$\textcircled{16} 9 \div 1\frac{5}{7}$$

$$9 \div \frac{12}{7}$$

$$3\frac{9}{7} \times \frac{7}{12} = \frac{21}{4} = 5\frac{1}{4}$$

$$\textcircled{17} 1\frac{3}{11} \div \frac{21}{22}$$

$$2\frac{14}{11} \times \frac{2}{21} = \frac{4}{3} = 1\frac{1}{3}$$

$$\textcircled{18} 2\frac{2}{5} \div \frac{9}{10}$$

$$4\frac{12}{5} \times \frac{2}{9} = \frac{8}{3} = 2\frac{2}{3}$$

$$\textcircled{19} 4\frac{2}{3} \div 7$$

$$2\frac{14}{3} \times \frac{1}{7} = \frac{2}{3}$$

$$\textcircled{20} 2\frac{1}{4} \div 6$$

$$3\frac{9}{4} \times \frac{1}{6} = \frac{3}{8}$$

$$\textcircled{21} \frac{15}{45} = \frac{1}{3}$$

$$\textcircled{22} 7\frac{1}{6} = \frac{43}{6}$$

$$\textcircled{23} \frac{16}{10} = 1\frac{3}{5}$$

$$\textcircled{24} 2\frac{1}{4} > \frac{11}{5}$$

$$4\frac{9}{4} > \frac{11}{5}$$

$$\textcircled{25} \frac{12}{3} = \frac{17}{5}$$

$$60 \div 3 = 20$$

$$n = 20$$

$$\textcircled{26} 3\frac{3}{8} \times 1$$

$$3\frac{3}{8}$$

$$+ 2\frac{3}{4} \times 2$$

$$+ 2\frac{6}{8}$$

$$5\frac{9}{8} = 6\frac{1}{8}$$

$$\textcircled{27} 5\frac{1}{4} \times 3$$

$$5\frac{3}{12}$$

$$+ 5\frac{5}{6} \times 2$$

$$+ 5\frac{10}{12}$$

$$10\frac{13}{12} = 11\frac{1}{12}$$

$$\textcircled{28} 9\frac{2}{3} \times 8$$

$$89\frac{16}{24}$$

$$- 3\frac{7}{8} \times 3$$

$$- 3\frac{21}{24}$$

$$5\frac{19}{24}$$

$$\textcircled{29} 8\frac{2}{5} \times 4$$

$$78\frac{8}{20}$$

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

$$- 4\frac{15}{20}$$

$$3\frac{13}{20}$$

$$\textcircled{30} 1\frac{2}{7} \times \frac{14}{15}$$

$$3\frac{9}{7} \times \frac{2}{15} = \frac{6}{5} = 1\frac{1}{5}$$

$$\textcircled{31} 1\frac{3}{4} \times 1\frac{5}{7}$$

$$1\frac{7}{4} \times 1\frac{12}{7} = 3$$



Reviewing Operations With Fractions

PROBLEM SET #11

$$\textcircled{1} \frac{15}{45} = \frac{1}{3}$$

$$\textcircled{2} \frac{16}{24} = \frac{2}{3}$$

$$\textcircled{3} 3\frac{3}{4} = \frac{15}{4}$$

$$\textcircled{4} 1\frac{4}{5} = \frac{9}{5}$$

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

$$\textcircled{6} \frac{8}{6} = 1\frac{1}{3}$$

$$\textcircled{7} 3\frac{1}{2} > \frac{10}{3}$$

$$2\frac{1}{2} > \frac{10}{3}$$

$$\textcircled{8} \frac{8}{5} < \frac{5}{3}$$

$$2\frac{1}{5} < 1\frac{2}{3}$$

$$\textcircled{9} \frac{4}{6} = \frac{n}{9}$$

$$36 \div 6 = 6$$

$$n = 6$$

$$\textcircled{10} \frac{6}{n} = \frac{4}{10}$$

$$60 \div 4 = 15$$

$$n = 15$$

$$\textcircled{11} 6 \rightarrow \frac{1}{6}$$

$$\textcircled{12} 2\frac{1}{5} = \frac{11}{5} \rightarrow \frac{5}{11}$$

$$\textcircled{13} \begin{array}{r} \frac{2 \times 4}{3 \times 4} \quad \frac{8}{12} \\ + \frac{3 \times 3}{4 \times 3} \quad + \frac{9}{12} \\ \hline \frac{17}{12} = 1\frac{5}{12} \end{array}$$

$$\textcircled{14} \begin{array}{r} 2\frac{1}{4} \times 3 \quad 2\frac{3}{12} \\ + 5\frac{5}{6} \times 2 \quad + 5\frac{10}{12} \\ \hline 7\frac{13}{12} = 8\frac{1}{12} \end{array}$$

$$\textcircled{15} \begin{array}{r} \frac{3 \times 3}{5 \times 3} \quad \frac{9}{15} \\ - \frac{1 \times 5}{3 \times 5} \quad - \frac{5}{15} \\ \hline \frac{4}{15} \end{array}$$

$$\textcircled{16} \begin{array}{r} 3\frac{1}{2} \times 3 \quad 3\frac{3}{6} \\ - 1\frac{1}{3} \times 2 \quad - 1\frac{2}{6} \\ \hline 2\frac{1}{6} \end{array}$$

$$\textcircled{17} \begin{array}{r} 6 \quad 5\frac{4}{4} \\ - 3\frac{1}{4} \quad - 3\frac{1}{4} \\ \hline 2\frac{3}{4} \end{array}$$

$$\textcircled{18} \begin{array}{r} 4\frac{1}{3} \times 5 \quad 5\frac{20}{15} \\ - 1\frac{2}{5} \times 3 \quad - 1\frac{6}{15} \\ \hline 4\frac{14}{15} \end{array}$$

$$\textcircled{19} \begin{array}{r} 8\frac{1}{4} \times 1 \quad 7\frac{5}{4} \\ - 3\frac{1}{2} \times 2 \quad - 3\frac{2}{4} \\ \hline 4\frac{3}{4} \end{array}$$

$$\textcircled{20} \begin{array}{r} 6\frac{1}{8} \times 3 \quad 5\frac{3}{8} \\ - 1\frac{1}{3} \times 8 \quad - 1\frac{8}{24} \\ \hline 4\frac{19}{24} \end{array}$$

$$\textcircled{21} 2\frac{14}{25} \times 2\frac{10}{32} = \frac{4}{15}$$

$$\textcircled{22} 1\frac{2}{3} \times 6$$

$$1\frac{5}{3} \times 2 \times 6 = 10$$

$$\textcircled{23} 1\frac{1}{2} \times \frac{5}{6}$$

$$1\frac{3}{2} \times \frac{5}{6} = \frac{5}{4} = 1\frac{1}{4}$$

$$\textcircled{24} 1\frac{1}{3} \times 4\frac{1}{2}$$

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

$$\textcircled{25} \frac{1}{2} \div \frac{3}{4}$$

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

$$\textcircled{26} \frac{2}{3} \div 6$$

$$1\frac{2}{3} \times \frac{1}{6} = \frac{1}{9}$$

$$\textcircled{27} 2\frac{1}{2} \div 1\frac{1}{2}$$

$$\frac{5}{2} \div \frac{3}{2}$$

$$1\frac{5}{2} \times \frac{2}{3} = \frac{5}{3} = 1\frac{2}{3}$$

$$\textcircled{28} 6 \div 1\frac{1}{2}$$

$$6 \div \frac{3}{2}$$

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

$$\textcircled{29} 3\frac{1}{3} \div 7\frac{1}{2}$$

$$\frac{10}{3} \div \frac{15}{2}$$

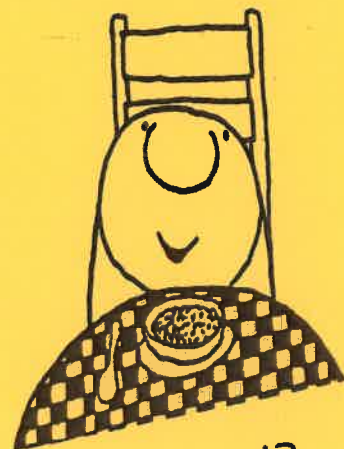
$$2\frac{10}{3} \times \frac{2}{15} = \frac{4}{9}$$

$$\textcircled{30} 2\frac{1}{2} \div 3\frac{3}{4}$$

$$\frac{5}{2} \div \frac{15}{4}$$

$$1\frac{8}{2} \times \frac{4}{15} = \frac{2}{3}$$

*i'm A VERY LIGHT EATER
...WHEN IT STARTS GETTING
LIGHT... I START EATING !!*



PROBLEM SET #12

$$\textcircled{1} \frac{8}{22} = \frac{4}{11}$$

$$\textcircled{2} \frac{20}{25} = \frac{4}{5}$$

$$\textcircled{3} 4\frac{1}{5} = \frac{21}{5}$$

$$\textcircled{4} 2\frac{5}{6} = \frac{17}{6}$$

$$\textcircled{5} \frac{12}{8} = 1\frac{1}{2}$$

$$\textcircled{6} \frac{18}{10} = 1\frac{4}{5}$$

$$\textcircled{7} 2\frac{1}{3} < \frac{5}{2}$$

$${}^{14}\frac{7}{3} < {}^{15}\frac{5}{2}$$

$$\textcircled{8} \frac{8}{3} < 2\frac{3}{4}$$

$${}^{32}\frac{8}{3} < {}^{33}\frac{11}{4}$$

$$\textcircled{9} \frac{4}{12} = \frac{3}{n}$$

$$36 \div 4 = 9$$

$$n = 9$$

$$\textcircled{10} \frac{3}{12} = \frac{n}{8}$$

$$24 \div 12 = 2$$

$$n = 2$$

$$\textcircled{11} 8 \rightarrow \frac{1}{8}$$



$$\textcircled{12} 3\frac{3}{8} = \frac{27}{8} \rightarrow \frac{8}{27}$$

$$\textcircled{13} \frac{1 \times 4}{3 \times 4} \quad \frac{4}{12}$$

$$+ \frac{1 \times 3}{4 \times 3} \quad + \frac{3}{12}$$

$$\frac{7}{12}$$

$$\textcircled{14} 3\frac{2}{5} \times 3 \quad 3\frac{6}{5}$$

$$+ 1\frac{2}{3} \times 5 \quad + 1\frac{10}{3}$$

$$4\frac{16}{15} = 5\frac{1}{15}$$

$$\textcircled{15} \frac{5}{6} \times 2 \quad \frac{10}{12}$$

$$- \frac{3}{4} \times 3 \quad - \frac{9}{12}$$

$$\frac{1}{12}$$

$$\textcircled{16} 4\frac{2}{7} \times 5 \quad 4\frac{10}{35}$$

$$- 1\frac{1}{5} \times 7 \quad - 1\frac{7}{35}$$

$$3\frac{3}{35}$$

$$\textcircled{17} 8 \quad 7\frac{5}{5}$$

$$- 2\frac{4}{5} \quad - 2\frac{4}{5}$$

$$5\frac{1}{5}$$

$$\textcircled{18} 6\frac{2}{3} \times 2 \quad 6\frac{4}{6}$$

$$- 2\frac{5}{6} \times 1 \quad - 2\frac{5}{6}$$

$$3\frac{5}{6}$$

$$\textcircled{19} 7\frac{2}{3} \times 4 \quad 7\frac{8}{12}$$

$$- 1\frac{3}{4} \times 3 \quad - 1\frac{9}{12}$$

$$5\frac{11}{12}$$

$$\textcircled{20} 5\frac{1}{6} \times 2 \quad 5\frac{2}{12}$$

$$- 2\frac{1}{4} \times 3 \quad - 2\frac{3}{12}$$

$$2\frac{11}{12}$$

$$\textcircled{21} \frac{2}{3} \times \frac{12}{15} \times \frac{5}{18} = \frac{2}{9}$$

$$\textcircled{22} 2\frac{1}{4} \times 8$$

$$\frac{9}{14} \times 28 = 18$$

$$\textcircled{23} \frac{5}{22} \times 2\frac{3}{4}$$

$$2\frac{5}{22} \times 1\frac{11}{4} = \frac{5}{8}$$

$$\textcircled{24} 2\frac{1}{3} \times 1\frac{5}{7}$$

$$1\frac{7}{3} \times 1\frac{12}{7} = 4$$

$$\textcircled{25} \frac{2}{3} \div \frac{2}{5}$$

$$1\frac{2}{3} \times \frac{5}{2} = \frac{5}{3} = 1\frac{2}{3}$$

$$\textcircled{26} \frac{4}{5} \div 8$$

$$1\frac{4}{5} \times 2\frac{1}{8} = \frac{1}{10}$$

$$\begin{aligned} \textcircled{27} \quad & 2\frac{1}{3} \div 3\frac{1}{2} \\ & \frac{7}{3} \div \frac{7}{2} \\ & \frac{7}{3} \times \frac{2}{7} = \frac{2}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{28} \quad & 8 \div 1\frac{1}{3} \\ & 8 \div \frac{4}{3} \\ & 28 \times \frac{3}{4} = 6 \end{aligned}$$

$$\begin{aligned} \textcircled{29} \quad & 2\frac{1}{4} \div 1\frac{1}{2} \\ & \frac{9}{4} \div \frac{3}{2} \\ & \frac{39}{24} \times \frac{12}{18} = 3 = 1\frac{1}{2} \end{aligned}$$

$$\begin{aligned} \textcircled{30} \quad & 2\frac{2}{3} \div 3\frac{1}{3} \\ & \frac{8}{3} \div \frac{10}{3} \\ & \frac{48}{18} \times \frac{3}{50} = \frac{4}{5} \end{aligned}$$



$$\begin{aligned} \textcircled{14} \quad & 4\frac{3}{4} \times 7 \quad 4\frac{21}{28} \\ & + 3\frac{2}{7} \times 4 \quad + 3\frac{8}{28} \\ & \hline & 7\frac{29}{28} = 8\frac{1}{28} \end{aligned}$$

$$\begin{aligned} \textcircled{15} \quad & \frac{2}{3} \times 8 \quad \frac{16}{24} \\ & - \frac{1}{8} \times 3 \quad - \frac{3}{24} \\ & \hline & \frac{13}{24} \end{aligned}$$

$$\begin{aligned} \textcircled{16} \quad & 5\frac{3}{4} \times 3 \quad 5\frac{9}{12} \\ & - 2\frac{2}{3} \times 4 \quad - 2\frac{8}{12} \\ & \hline & 3\frac{1}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{17} \quad & 7 \quad 6\frac{3}{3} \\ & - 5\frac{2}{3} \quad - 5\frac{2}{3} \\ & \hline & 1\frac{1}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{18} \quad & 8\frac{1}{6} \times 2 \quad 8\frac{2}{12} \\ & - 3\frac{1}{4} \times 3 \quad - 3\frac{3}{12} \\ & \hline & 4\frac{11}{12} \end{aligned}$$

PROBLEM SET #13

$$\textcircled{1} \quad \frac{12}{48} = \frac{1}{4}$$

$$\textcircled{2} \quad \frac{14}{35} = \frac{2}{5}$$

$$\textcircled{3} \quad 2\frac{2}{3} = \frac{8}{3}$$

$$\textcircled{4} \quad 3\frac{1}{4} = \frac{13}{4}$$

$$\textcircled{5} \quad \frac{20}{16} = 1\frac{1}{4}$$

$$\textcircled{6} \quad \frac{24}{14} = 1\frac{5}{7}$$

$$\begin{aligned} \textcircled{7} \quad & 1\frac{3}{4} > \frac{5}{3} \\ & \frac{21}{4} > \frac{5}{3} \times \frac{20}{20} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad & \frac{7}{3} < 2\frac{1}{2} \\ & \frac{4}{3} < \frac{5}{2} \times \frac{15}{15} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad & \frac{90}{15} = \frac{6}{10} \times 90 \\ & 90 \div 10 = 9 \\ & n = 9 \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad & \frac{36}{12} = \frac{3}{n} \times 36 \\ & 36 \div 2 = 18 \\ & n = 18 \end{aligned}$$

$$\textcircled{11} \quad 3 \rightarrow \frac{1}{3}$$

$$\textcircled{12} \quad 4\frac{1}{2} = \frac{9}{2} \rightarrow \frac{2}{9}$$

$$\begin{aligned} \textcircled{13} \quad & \frac{1}{2} \times 4 \quad \frac{4}{8} \\ & + \frac{3}{8} \times 1 \quad + \frac{3}{8} \\ & \hline & \frac{7}{8} \end{aligned}$$

$$\begin{aligned} \textcircled{19} \quad & 9\frac{3}{8} \times 3 \quad 9\frac{33}{24} \\ & - 4\frac{5}{6} \times 4 \quad - 4\frac{20}{24} \\ & \hline & 4\frac{13}{24} \end{aligned}$$

$$\begin{aligned} \textcircled{20} \quad & 4\frac{1}{3} \times 5 \quad 4\frac{20}{15} \\ & - 2\frac{3}{5} \times 3 \quad - 2\frac{9}{15} \\ & \hline & 1\frac{11}{15} \end{aligned}$$

$$\textcircled{21} \quad \frac{3}{5} \times \frac{20}{18} = \frac{6}{25}$$

$$\textcircled{22} \ 1\frac{1}{2} \times 10$$

$$1\frac{3}{2} \times 10 = 15$$

$$\textcircled{23} \ \frac{9}{14} \times 2\frac{1}{3}$$

$$\frac{39}{214} \times \frac{17}{13} = \frac{3}{2} = 1\frac{1}{2}$$

$$\textcircled{24} \ 2\frac{2}{3} \times 1\frac{1}{2}$$

$$\frac{48}{18} \times \frac{18}{12} = 4$$

$$\textcircled{25} \ \frac{4}{5} \div \frac{1}{3}$$

$$\frac{4}{5} \times \frac{3}{1} = \frac{12}{5} = 2\frac{2}{5}$$

$$\textcircled{26} \ \frac{3}{4} \div 6$$

$$1\frac{3}{4} \times \frac{1}{26} = \frac{1}{8}$$

$$\textcircled{27} \ 1\frac{2}{3} \div 1\frac{3}{7}$$

$$\frac{5}{3} \div \frac{10}{7}$$

$$1\frac{5}{3} \times \frac{7}{10} = \frac{7}{6} = 1\frac{1}{6}$$

$$\textcircled{28} \ 4 \div 1\frac{5}{7}$$

$$4 \div \frac{12}{7}$$

$$14 \times \frac{7}{12} = \frac{7}{3} = 2\frac{1}{3}$$

$$\textcircled{29} \ 1\frac{1}{4} \div 1\frac{7}{8}$$

$$\frac{5}{4} \div \frac{15}{8}$$

$$1\frac{5}{4} \times \frac{28}{15} = \frac{2}{3}$$

$$\textcircled{30} \ 2\frac{1}{4} \div 1\frac{1}{5}$$

$$\frac{9}{4} \div \frac{6}{5}$$

$$3\frac{9}{4} \times \frac{5}{26} = \frac{15}{8} = 1\frac{7}{8}$$

HOW BAD IS IT?... LET ME
PUT IT THIS WAY... I WOULDN'T
PUT THAT BACK IN YOUR
MOUTH IF I WERE YOU...



Level II Activity Sheet

Answer Key

$$\textcircled{1} 2\frac{2}{5} \div 1\frac{1}{5}$$

$$\frac{12}{5} \div \frac{6}{5}$$

$$2\frac{12}{5} \times \frac{1}{6} = \frac{2}{1} = 2$$

$$\textcircled{2} 1\frac{7}{8} \div 1\frac{1}{4}$$

$$\frac{15}{8} \div \frac{5}{4}$$

$$3\frac{15}{8} \times \frac{4}{5} = \frac{3}{2} = 1\frac{1}{2}$$

$$\textcircled{3} 3\frac{1}{3} \div 5$$

$$2\frac{18}{3} \times \frac{1}{5} = \frac{2}{3}$$

$$\textcircled{4} 4\frac{1}{2} \div 6$$

$$3\frac{9}{2} \times \frac{1}{6} = \frac{3}{4}$$

$$\textcircled{5} \frac{3}{4} \times 1\frac{1}{9}$$

$$\frac{13}{24} \times \frac{5}{9} = \frac{5}{6}$$

$$\textcircled{6} \frac{5}{9} \times 2\frac{1}{10}$$

$$1\frac{5}{9} \times \frac{7}{10} = \frac{7}{6} = 1\frac{1}{6}$$

$$\textcircled{7} 1\frac{1}{6} \times 1\frac{1}{7}$$

$$1\frac{7}{6} \times \frac{4}{7} = \frac{4}{3} = 1\frac{1}{3}$$

$$\textcircled{8} 2\frac{1}{4} \times 1\frac{1}{15}$$

$$3\frac{9}{4} \times \frac{4}{15} = \frac{12}{5} = 2\frac{2}{5}$$

$$\textcircled{9} 8\frac{2}{5} \times 3$$

$$\begin{array}{r} 8\frac{2}{5} \times 3 \\ \hline 24\frac{6}{5} \\ 48\frac{12}{5} \\ \hline 72\frac{18}{5} \end{array}$$

$$\textcircled{10} 7\frac{3}{4} \times 2$$

$$\begin{array}{r} 7\frac{3}{4} \times 2 \\ \hline 14\frac{6}{4} \\ 28\frac{12}{4} \\ \hline 42\frac{18}{4} \end{array}$$

$$\textcircled{11} 8$$

$$\begin{array}{r} 8 \\ -2\frac{3}{7} \\ \hline 5\frac{4}{7} \end{array}$$

$$\textcircled{12} 6$$

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

$$\textcircled{13} 5\frac{3}{8} \times 3$$

$$\begin{array}{r} 5\frac{3}{8} \times 3 \\ \hline 15\frac{9}{8} \\ 30\frac{18}{8} \\ \hline 45\frac{27}{8} \end{array}$$

$$\textcircled{14} 9\frac{2}{3} \times 4$$

$$\begin{array}{r} 9\frac{2}{3} \times 4 \\ \hline 36\frac{8}{3} \\ 72\frac{16}{3} \\ \hline 108\frac{24}{3} \end{array}$$

$$\textcircled{15} \frac{16}{20} = \frac{4}{5}$$

$$\textcircled{16} \frac{21}{28} = \frac{3}{4}$$

$$\textcircled{17} 2\frac{3}{8} = \frac{19}{8}$$

$$\textcircled{18} 5\frac{2}{3} = \frac{17}{3}$$

$$\textcircled{19} \frac{12}{8} = 1\frac{1}{2}$$

$$\textcircled{20} \frac{21}{12} = 1\frac{9}{12} = 1\frac{3}{4}$$

$$\textcircled{21} 1\frac{3}{4} \quad \frac{9}{5}$$

$$35\frac{7}{4} < \frac{9}{5} \quad 36$$

$$\textcircled{22} 2\frac{2}{3} \quad \frac{11}{4}$$

$$32\frac{8}{3} < \frac{11}{4} \quad 33$$

$$\textcircled{23} \frac{4}{10} = \frac{n}{15}$$

$$60 \div 10 = 6$$

$$n = 6$$

$$\textcircled{24} \frac{n}{15} = \frac{4}{6}$$

$$60 \div 6 = 10$$

$$n = 10$$

$$\textcircled{25} 8 \div 1\frac{1}{3}$$

$$\frac{8}{1} \div \frac{4}{3}$$

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

$$\textcircled{26} 12 \div 1\frac{1}{5}$$

$$\frac{12}{1} \div \frac{6}{5}$$

$$2\frac{12}{1} \times \frac{5}{6} = \frac{10}{1} = 10$$

$$\textcircled{27} 1\frac{1}{4} \div 2\frac{1}{2}$$

$$\frac{5}{4} \div \frac{5}{2}$$

$$\frac{15}{24} \times \frac{2}{5} = \frac{1}{2}$$

$$\textcircled{28} 2\frac{2}{3} \div 1\frac{7}{9}$$

$$\frac{8}{3} \div \frac{16}{9}$$

$$\frac{18}{18} \times \frac{39}{216} = \frac{3}{2} = 1\frac{1}{2}$$

$$\textcircled{29} 3\frac{15}{16} \times 3\frac{24}{25} = \frac{9}{10}$$

$$\textcircled{30} 1\frac{8}{9} \times 5\frac{15}{16} = \frac{5}{6}$$

$$\textcircled{31} 2\frac{2}{5} \times 1\frac{7}{8}$$

$$3\frac{12}{5} \times 3\frac{15}{8} = \frac{9}{2} = 4\frac{1}{2}$$

$$\textcircled{32} 1\frac{1}{8} \times 3\frac{1}{3}$$

$$\frac{39}{48} \times \frac{510}{18} = \frac{15}{4} = 3\frac{3}{4}$$

$$\textcircled{33} 9\frac{1}{4} \times 3 \quad 89\frac{2^{15}}{12}$$

$$-6\frac{5}{6} \times 2$$

$$-6\frac{10}{12}$$

$$2\frac{5}{12}$$

$$\textcircled{34} 8\frac{2}{3} \times 4 \quad 78\frac{8^{20}}{12}$$

$$-3\frac{3}{4} \times 3$$

$$-3\frac{9}{12}$$

$$4\frac{11}{12}$$

$$\textcircled{35} 4\frac{2}{9} \times 1 \quad 4\frac{2}{9}$$

$$+8\frac{2}{3} \times 3$$

$$+8\frac{6}{9}$$

$$12\frac{8}{9}$$

$$\textcircled{36} 5\frac{5}{12} \times 2 \quad 5\frac{10}{24}$$

$$+7\frac{3}{8} \times 3$$

$$+7\frac{9}{24}$$

$$12\frac{19}{24}$$

