T-MF Math Fundamentals Week 11

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

$$\frac{3}{7} + \frac{2}{7} = \frac{5}{7}$$

$$\frac{8}{9} - \frac{5}{9} = \frac{3 \div 3}{9 \div 3} = \frac{1}{3}$$

$$\frac{4}{11} + \frac{7}{11} = \frac{11}{11} = 1$$

$$\frac{3}{5} + \frac{4}{5} = \frac{7}{5} = 1\frac{2}{5}$$

$$\frac{12}{15} - \frac{3}{15} = \frac{9 \div 3}{15 \div 3} = \frac{3}{5}$$

$$8\frac{1}{3} + 2\frac{2}{3} = 10\frac{3}{3}$$

$$10 + \frac{3}{3}$$

$$10 + 1 = 11$$

$$7\frac{2}{8} + 4\frac{4}{8} = 11\frac{6}{8}$$

$$11\frac{6 \div 2}{8 \div 2} = 11\frac{3}{4}$$

$8\frac{1}{3}$ (8 crossed out, 7 written above; $+\frac{3}{3}$) $- 2\frac{2}{3}$

$$7\frac{4}{3} - 2\frac{2}{3} = 5\frac{2}{3}$$

$7\frac{2}{8}$ (7 crossed out, 6 written above; $\frac{2}{8}+\frac{8}{8}$) $- 4\frac{4}{8}$

$$6\frac{10}{8} - 4\frac{4}{8} = 2\frac{6 \div 2}{8 \div 2} = 2\frac{3}{4}$$

$\frac{6\cdot3}{6\cdot4} - \frac{1\cdot4}{6\cdot4}$

$\frac{18}{24} - \frac{4}{24} = \frac{14}{24} \div 2 = \boxed{\frac{7}{12}}$

$\frac{7}{8} - \frac{2}{3}$ $\quad \frac{21}{24} - \frac{16}{24} =$

$\frac{7}{8} = \frac{21}{24}$ ($*3$) $\quad \frac{2}{3} = \frac{16}{24}$ ($*8$)

$\boxed{\frac{5}{24}}$

$\frac{3\cdot2}{3\cdot7} + \frac{1*7}{3*7}$

$\frac{6}{21} + \frac{7}{21} = \boxed{\frac{13}{21}}$

$\frac{9\cdot1}{9\cdot2} + \frac{4\cdot2}{9\cdot2}$

$\frac{9}{18} + \frac{8}{18} = \boxed{\frac{17}{18}}$

$\frac{8}{9} = \frac{16}{18}$ ($*2$) $\quad \frac{5}{6} = \frac{15}{18}$ ($*3$)

$4 + 3$

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

$+\ 3\ \frac{6}{6}$

$7\ \frac{31}{18}$

$\Rightarrow \frac{31}{18}$

$7 + 1\ \frac{13}{18}$

$\boxed{8\ \frac{13}{18}}$

$18\overline{)31}$ (1)

-18

13

$\frac{8}{9} + \frac{5}{6}$

$\frac{6\cdot8}{6\cdot9} = \frac{48}{54}$ $\quad \frac{9\cdot5}{9\cdot6} = \frac{45}{54}$

$9+3=12$

$\frac{48}{54} + \frac{45}{54} = \frac{93}{54} \div 3 = \boxed{\frac{31}{18}}$

$5+4=9$

Rule of 3

If the sum of the digits in a number is divisible by 3, then the number is divisible by 3.

$$8\frac{1}{3} + 3\frac{3}{3}$$

$$-\ 5\frac{6}{7}$$

$$\frac{1}{3} - \frac{6}{7} \quad \left\{ \frac{4}{3} - \frac{6}{7} \right.$$

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

$$-\ 5\frac{6}{7}$$

$$\boxed{3\frac{10}{21}}$$

$$\frac{7}{7} \cdot \frac{4}{3} \qquad \frac{6}{7} \cdot \frac{3}{3} =$$

$$\frac{28}{21} - \frac{18}{21} = \frac{10}{21}$$

Packet 4

Whole Number

$$6 * \frac{1}{4} = \frac{6}{1} * \frac{1}{4} = \frac{6}{4}$$

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

$$\frac{1}{3} * \frac{8}{1} = \boxed{\frac{8}{3}}$$

$$\frac{7}{1} * \frac{1}{5} = \boxed{\frac{7}{5}}$$

$$\frac{1}{9} * \frac{3}{1} = \frac{3 \div 3}{9 \div 3} = \boxed{\frac{1}{3}}$$

$\frac{2}{3} * \frac{8}{1} = \frac{16}{3}$ ↔ $5\frac{1}{3}$

improper fraction — mixed number

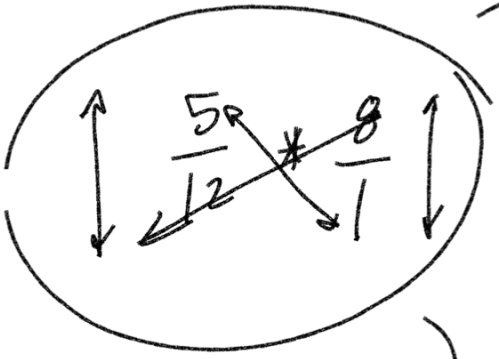
$$\begin{array}{r} 5 \\ 3\overline{)16} \\ -15 \\ \hline 1 \end{array}$$

$\frac{5}{12} * \frac{8}{1} = \frac{40 \div 4}{12 \div 4} = \boxed{\frac{10}{3}} = 3\frac{1}{3}$

$$\begin{array}{r} 3 \\ 3\overline{)10} \\ -9 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 3 \\ 12\overline{)40} \\ -36 \\ \hline 4 \end{array}$$

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



$\frac{5}{12 \div 4} * \frac{8 \div 4}{1} = \frac{5}{3} * \frac{2}{1} = \boxed{\frac{10}{3}}$

Quiz 9 (11/23) due today-ish

HW
Pk 3 pg 9 evens
Pk 4 pg 1-3 evens
Supplemental WS

Quiz 10 due next week-ish

Online HW 11 (Thurs/Fri)

Quiz 11 (Thurs/Fri) due Dec 1st