

T-MF Math Fundamentals Week 13

1) $\frac{5}{6} \div \frac{8}{7} = 2$

$$\frac{5}{6} * \frac{7}{8} = \frac{35}{48}$$

→

$$\frac{5}{3} * \frac{4}{7} = \frac{20}{21}$$

→

$$\frac{20}{21}$$

$$\frac{3}{2} * 3\frac{5}{6} = \frac{(3*6)+5}{6}$$

$$\frac{18+5}{6} = \frac{23}{6}$$

$$\frac{3}{2} \div \frac{23}{6} = \frac{3}{2} * \frac{6}{23} = \frac{18}{46} = \frac{9}{23}$$

$$\frac{1}{2} * \frac{23}{2} = \frac{23}{4}$$

2) $\frac{7}{9} \div \frac{15}{4} = 3$

$$\frac{7}{9} * \frac{4}{15} = \frac{28}{135}$$

→

$$\frac{7}{3} * \frac{5}{4} = \frac{35}{12}$$

→

$$\frac{35}{12}$$

$$\frac{5}{2} * 3\frac{3}{5} = \frac{(3*5)+3}{5}$$

$$\frac{15+3}{5} = \frac{18}{5}$$

$$\frac{5}{2} \div \frac{18}{5} = \frac{5}{2} * \frac{5}{18} = \frac{25}{36}$$

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

$\frac{1}{3} \div \frac{3}{61}$ flip (inverse)

$$\frac{1}{3} * \frac{61}{3} = \frac{61}{9}$$

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

$$\frac{1}{7} * \frac{1}{2} = \frac{1}{14}$$

$$\frac{1}{5} \div \left(\frac{3}{1}\right) \rightarrow \frac{1}{5} * \frac{1}{3} = \boxed{\frac{1}{15}}$$

$$\frac{2}{3} \div \left(\frac{4}{1}\right) \rightarrow \frac{2}{3} * \frac{1}{4} = \frac{1}{3} * \frac{1}{2} = \left(\frac{1}{6}\right)$$

$$\frac{6}{1} \div \left(\frac{2}{3}\right) \rightarrow \frac{6}{1} * \frac{3}{2} = \frac{18}{2} = \frac{9}{1} = \left(9\right)$$

$$\frac{8}{1} \div \frac{3}{4} \rightarrow \frac{8}{1} * \frac{4}{3} = \frac{32}{3}$$

$$\frac{29}{5} \div 9\frac{1}{2}$$

$$9\frac{1}{2} = \frac{(9*2)+1}{2} = \frac{19}{2}$$

$$\frac{29}{5} \div \frac{19}{2}$$

$$\frac{29}{5} * \frac{2}{19} = \frac{58}{95}$$

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

$$8\frac{2}{3} = \frac{(8*3)+2}{3} = \frac{24+2}{3} = \frac{26}{3}$$

$$7\frac{1}{2} = \frac{(7*2)+1}{2} = \frac{14+1}{2} = \frac{15}{2}$$

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

$$\frac{26}{3} \div \frac{15}{2}$$

$$\frac{26}{3} * \frac{2}{15} = \frac{52}{45}$$

$$6\frac{1}{2} \div \frac{34}{4}$$

$$6\frac{1}{2} = \frac{(6*2)+1}{2} = \frac{13}{2}$$

$$\frac{13}{2} \div \frac{34}{4}$$

$$\frac{13}{2} * \frac{4}{34} = \frac{52}{68} = \frac{13}{17}$$

$$\frac{13}{1} * \frac{2}{34} = \frac{13}{1} * \frac{1}{17} = \frac{13}{17}$$

Quiz 12
Dec 23rd

HW
Packet 5 evens
Supplemental WS
Online HW 13 (this week)
Quiz 13 (this week)
due on January 12th