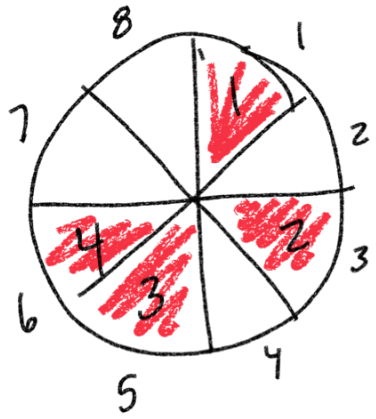
T-MF Math Fundamentals Week 9

Fractions

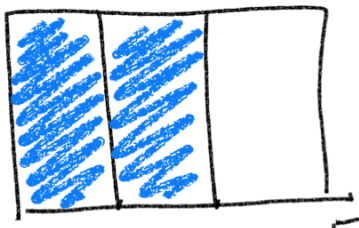
Fractim = $\frac{\text{pieces}}{\text{whole}}$ → $\frac{\text{numerator}}{\text{denominator}}$



$\frac{\text{shaded parts}}{\text{whole \# of parts}}$ $\frac{4}{8}$

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

(1)



$\frac{2}{3}$

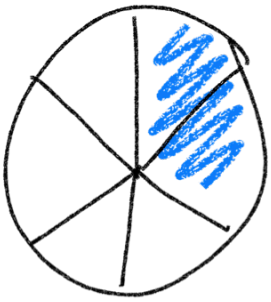
(2)

$\frac{5}{8}$

(3)

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

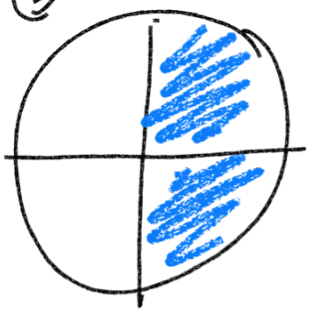
(4)



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

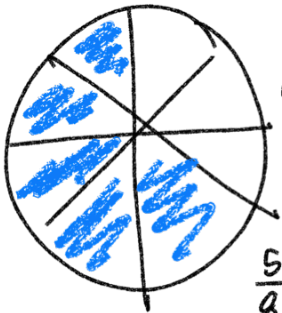
$\frac{1}{3}$

(5)



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

①

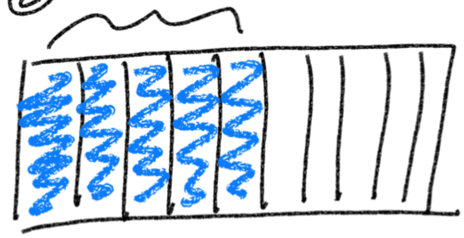


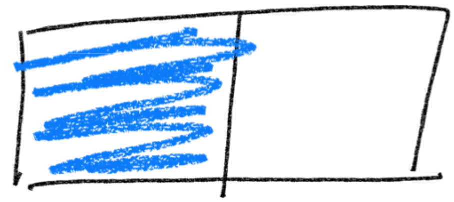
$\boxed{5}$ / 8 > $\boxed{4}$ / 8

$\frac{5}{8} > \frac{2}{4}$

$\frac{2}{4} = \frac{4}{8}$ (*2, *2)

②

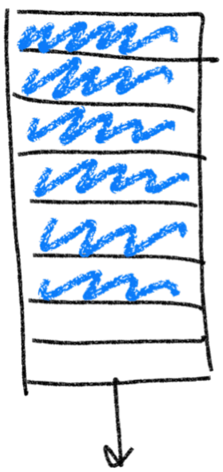




$\frac{5}{10} = \frac{1}{2} = \frac{5}{10}$ (*5, *5)

$\frac{5}{10} = \frac{5}{10}$

③



$\frac{6}{8}$

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

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

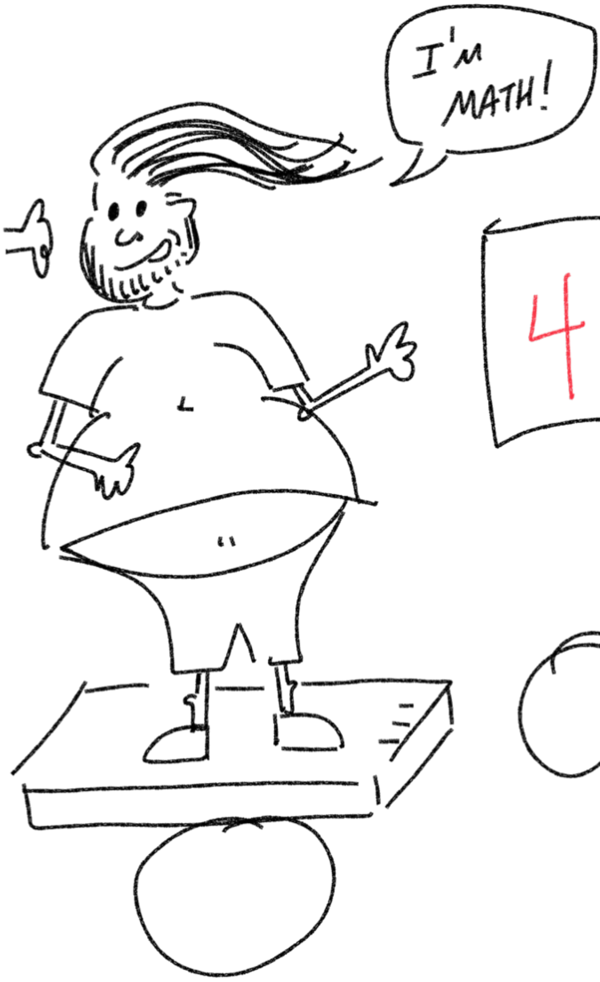
$\frac{3}{4}$ $\frac{1}{\boxed{2}}$

$\frac{1}{2} = \frac{2}{4}$ (*2, 2)

$\frac{3}{4} > \frac{2}{4}$

$\frac{14}{3}$

Improper Fraction → Mixed Number



$14 \div 3$

$$\begin{array}{r} 4 \\ 3\overline{)14} \\ -12 \\ \hline 2 \end{array}$$

4 ← whole number

3 ← denominator

2 ← numerator

$$\begin{array}{rl} 14 & \\ -3 & (1) \\ \hline 11 & \\ -3 & (2) \\ \hline 8 & \\ -3 & (3) \\ \hline 5 & \\ -3 & (4) \\ \hline 2 & \end{array}$$

$4\frac{2}{3}$

Mixed Number

$\frac{88}{9}$

$$\begin{array}{r} 9 \\ 9\overline{)88} \\ -81 \\ \hline 7 \end{array}$$

$9 \quad \frac{7}{9}$

$9\frac{7}{9}$

Will

$\frac{46}{7}$

$7\overline{)46}$ → 6, -42, 4 → $6\frac{4}{7}$

Mary

$\frac{37}{8}$

$8\overline{)37}$ → 4, -32, 5 → $4\frac{5}{8}$

Elyza

$\frac{35}{6}$

$6\overline{)35}$ → 5 (A), -30, 5 (B) → $5\frac{5}{6}$

Caroline

$\frac{57}{9}$

$9\overline{)57}$ → 6, -54, 3 → $6\frac{3}{9}$

reduce: $3 \div 3 = 1$, $9 \div 3 = 3$ → $6\frac{1}{3}$

Emma

$\frac{78}{8}$

$8\overline{)78}$ → 9, -72, 6 → $9\frac{6}{8}$

reduce: $6 \div 2 = 3$, $8 \div 2 = 4$ → $9\frac{3}{4}$

Cade

$\frac{29}{6}$

$6\overline{)29}$ → 4, -24, 5 → $4\frac{5}{6}$

While watching tonight's election coverage, Nate ate 476 slices of pizza. If a whole pizza contains 8 slices, how many whole pizzas did Nate eat?

(No judgment)

$\frac{\text{parts}}{\text{whole}} = \frac{476}{8}$

$8\overline{)476}$ → 59, -40, 76, -72, 4

mixed number

$59\frac{4}{8} \div 4 =$ → $59\frac{1}{2}$

Nate has 512 My Little Pony figures.

Each carrying case can hold 20 figures. Write a mixed number to represent the number of full carrying cases.

$$\frac{512}{20}$$

$$\begin{array}{r} 25 \\ 20\overline{)512} \\ -40\downarrow \\ \hline 112 \\ -100 \\ \hline 12 \end{array}$$

$$25\frac{12}{20} \quad \begin{matrix} \div 2 \\ \div 2 \end{matrix} \quad \frac{6}{10} \begin{matrix} \div 2 \\ \div 2 \end{matrix} = \frac{3}{5}$$

$$25\frac{3}{5}$$

Quiz 7 due tonight

Unit 1 Test due November 10th

HW packet 3 pg 1-5 evens

Supplemental WS

Online HW 9 (Thurs)

Quiz 9 (Thurs) due by November 17th