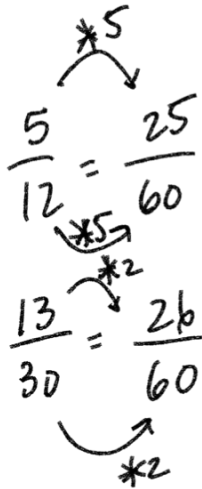
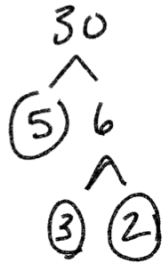
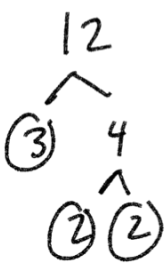


1.) $\frac{5}{12} < \frac{13}{30}$

2.) $\frac{-3}{7} > \frac{-9}{20}$

150 $\frac{5}{12} < \frac{13}{30}$ 156

-60 $>$ -63



~~12: 2 · 2 · 2~~
~~30: 5 · 3 · 2~~

LCM: $5 \cdot 3 \cdot 2 \cdot 2 = 60$

$\frac{5}{12} \quad \frac{13}{30}$
 $\downarrow \quad \downarrow$
 $\frac{25}{60} < \frac{26}{60}$

1.) $0.18 \rightarrow \frac{18 \div 2}{100 \div 2} = \frac{9}{50}$

2.) $0.064 \rightarrow \frac{64 \div 8}{1000 \div 8} = \frac{8}{125}$

3.) $2.4 \rightarrow \frac{24 \div 2}{10 \div 2} = \frac{12}{5}$

4.) $1.86 \rightarrow \frac{186 \div 2}{100 \div 2} = \frac{93}{50}$

$$\rightarrow \frac{7}{8}$$

$$\frac{7}{8} = 0.875$$

$$\begin{array}{r} 8 \overline{) 7.000} \\ \underline{-64} \\ 60 \\ \underline{-56} \\ 40 \\ \underline{-40} \\ 0 \end{array}$$

$$\frac{310}{16}$$

$$\boxed{0.625}$$

$$\begin{array}{r} 16 \overline{) 10.000} \\ \underline{-96} \\ 40 \\ \underline{-32} \\ 80 \\ \underline{-80} \\ 0 \end{array}$$

$$0.44444\dots = 0.\overline{4}$$

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

$$0.7777\dots = \frac{7}{9}$$

$$\frac{9}{9} = 0.999\dots = \textcircled{1}$$

$$0.23232323\dots = 0.\overline{23} = \frac{23}{99}$$

$$0.124124124\dots = \frac{124}{999}$$

$$0.\overline{36} = \frac{36 \div 9}{99 \div 9} = \boxed{\frac{4}{11}}$$

$$\{ 0.633333... = 0.6\bar{3} \quad \neq \frac{63}{99}$$

$$n = 0.6\bar{3}333...$$

$$\begin{array}{r} \textcircled{1} \quad 100n = 63.\overline{3333} \\ - 10n = 6.\overline{3333} \\ \hline \end{array}$$

$$\frac{90n}{90} = \frac{57}{90}$$

$$n = \frac{57 \div 3}{90 \div 3} = \frac{19}{30}$$

$$6\frac{1}{3} - 2\frac{2}{5}$$

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

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

$$\begin{array}{r} 5 \overline{) 15} \\ \underline{10} \\ 5 \end{array}$$

$$\begin{array}{r} 5 \\ \cancel{6} \quad \frac{5+15}{15} \\ - 2\frac{6}{15} \\ \hline \end{array}$$

$$6 = 5 + 1$$

$$5 + \frac{15}{15}$$

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

$$\frac{1}{3} = \frac{5}{15}$$

$$\frac{2}{5} = \frac{6}{15}$$

$$\begin{array}{r} 5 \frac{20}{15} \\ - 2 \frac{6}{15} \\ \hline \boxed{3 \frac{14}{15}} \end{array}$$

① Find number after the repeat starts

② Find the number before the repeat starts

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

$$\begin{array}{r} \cancel{6} \frac{12}{42} + \frac{42}{42} \\ - 3 \frac{35}{42} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{2}{7} \overset{*6}{=} \frac{12}{42} \\ \frac{5}{6} \overset{*7}{=} \frac{35}{42} \\ \quad \quad \quad \circlearrowleft \overset{*7}{7} \end{array}$$

$$\begin{array}{r} 6 \frac{54}{42} \\ - 3 \frac{35}{42} \\ \hline \end{array}$$

$$\boxed{3 \frac{19}{42}}$$