

$$2\frac{1}{3} = \frac{(2*3)+1}{3} = \frac{7}{3}$$

1.) $\frac{7}{8} * \frac{12}{21}$

$$\frac{1}{8} * \frac{12}{3}$$

$$\frac{1}{2} * \frac{3}{3}$$

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

2.) $2\frac{1}{3} * 3\frac{4}{7}$

$$\frac{7}{3} * \frac{25}{7}$$

$$\frac{1}{3} * \frac{25}{1} = \frac{25}{3}$$

$$3\frac{4}{7} = \frac{(3*7)+4}{7} = \frac{25}{7}$$

3.) $\frac{5}{9} \div \frac{15}{27}$

$$\frac{5}{9} * \frac{27}{15}$$

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

Keep,
Change,
Flip!

$$\frac{1}{1} * \frac{3}{3}$$

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

4.) $4\frac{1}{2} \div \frac{12}{16}$

$$\frac{9}{2} \div \frac{12}{16}$$

$$\frac{9}{2} * \frac{16}{12}$$

$$\frac{9}{1} * \frac{8}{12}$$

$$4\frac{1}{2} = \frac{(4*2)+1}{2} = \frac{9}{2}$$

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

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

Computation

Algebra

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

$$X - 2 = 3$$

$$+2 \quad +2$$

$$X = 5$$



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

$$\frac{1}{2} \xrightarrow{*2} \frac{2}{4}$$

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

$$+ \frac{3}{4} \quad + \frac{3}{4}$$

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

$$\downarrow$$

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

$$X + \frac{5}{8} = \frac{3}{2}$$

$$- \frac{5}{8} \quad - \frac{5}{8}$$

$$X = \frac{3}{2} - \frac{5}{8}$$

$$\frac{3}{2} \xrightarrow{*4} \frac{12}{8}$$

opposite

Algebra

$$\frac{12}{8} - \frac{5}{8} = \frac{7}{8}$$

computation

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

$$- 2\frac{3}{7} \quad - 2\frac{3}{7}$$

$$X = 5\frac{1}{3} - 2\frac{3}{7}$$

$$\cancel{45} \frac{7}{21} + \frac{21}{21}$$

$$- 2 \frac{9}{21}$$

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

$$- 2\frac{3}{7}$$

$$\frac{1}{3} - \frac{3}{7}$$

$$\frac{1}{3} \xrightarrow{*7} \frac{7}{21}$$

$$\frac{3}{7} \xrightarrow{*3} \frac{9}{21}$$

$$4 \frac{28}{21}$$

$$- 2 \frac{9}{21}$$

$$\hline 2 \frac{19}{21}$$

$$\frac{3}{7} - \frac{9}{21}$$

$$X - \frac{8}{7} = 6\frac{1}{8}$$

$$+ \frac{8}{7} \quad + \frac{8}{7}$$

$$\begin{array}{l} \frac{1}{8} = \frac{7}{56} \quad (*7) \\ \frac{1}{7} = \frac{8}{56} \quad (*8) \end{array}$$

$$X = \left[6\frac{1}{8} + \frac{8}{7} \right]$$

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

$$6\frac{1}{8} + 1\frac{1}{7}$$

$$6\frac{7}{56} + 1\frac{8}{56} = 7\frac{15}{56}$$

$$\boxed{7\frac{15}{56}}$$