

$$A = \frac{2}{3} + \frac{5}{6}$$

$$= \frac{4}{6} + \frac{5}{6} = \frac{9}{6} = \frac{3}{2}$$

$$C = \frac{5}{18} - \frac{7}{9}$$

$$\frac{7}{9} = \frac{14}{18}$$

$$C = \frac{5}{18} - \frac{14}{18} = -\frac{9}{18} = -\frac{1}{2}$$

$$B = \frac{5}{12} - \frac{1}{4}$$

$$= \frac{5}{12} - \frac{3}{12} = \frac{2}{12} = \frac{1}{6}$$

$$D = \frac{4}{15} + \frac{2}{5}$$

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

$$D = \frac{4}{15} + \frac{6}{15} = \frac{10}{15} = \frac{2}{3}$$

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

$$E = \frac{16}{3}$$

$$G = \frac{2}{9} + \frac{1}{6}$$

$$\frac{2}{9} = \frac{4}{18}, \quad \frac{1}{6} = \frac{3}{18}$$

$$G = \frac{7}{18}$$

$$F = -\frac{3}{7} - \frac{1}{14}$$

$$-\frac{3}{7} = -\frac{6}{14}$$

$$F = -\frac{6}{14} - \frac{1}{14} = -\frac{7}{14} = -\frac{1}{2}$$

$$H = -\frac{1}{14} + \frac{4}{21} - \frac{3}{7}$$



$$-\frac{1}{14} = -\frac{3}{42}, \quad \frac{4}{21} = \frac{8}{42}, \quad -\frac{3}{7} = -\frac{18}{42}$$

$$H = \frac{-3 + 8 - 18}{42} = \frac{-13}{42}$$

$$I = \frac{2}{3} + \frac{3}{4} - \frac{5}{6}$$

$$\frac{2}{3} = \frac{8}{12}, \quad \frac{3}{4} = \frac{9}{12}, \quad \frac{5}{6} = \frac{10}{12}$$

$$I = \frac{8+9-10}{12} = \frac{7}{12}$$

$$J = \frac{19}{42} + \frac{2}{21} - \frac{14}{3}$$

$$\frac{2}{21} = \frac{4}{42}, \quad \frac{14}{3} = \frac{196}{42}$$

$$J = \frac{19+4-196}{42} = \frac{-173}{42}$$

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

$$2 = \frac{16}{8}, \quad -2 = -\frac{16}{8}$$

$$\begin{aligned} K &= \frac{3}{8} - \frac{16}{8} - \frac{5}{3} \\ &= \frac{-13}{8} - \frac{5}{3} \end{aligned}$$

$$\frac{-13}{8} = -\frac{39}{24}, \quad \frac{5}{3} = \frac{40}{24}$$

$$K = \frac{-39-40}{24} = \frac{-79}{24}$$

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

$$1 = \frac{15}{15}, \quad \frac{2}{3} = \frac{10}{15}, \quad \frac{4}{5} = \frac{12}{15}$$

$$L = \frac{15+10+12}{15} = \frac{37}{15}$$

Exercise 2

$$A = \frac{4}{7} - \left(\frac{6}{7} - \frac{5}{7} \right) + \frac{1}{7}$$

$$A = \frac{4}{7} - \frac{1}{7} + \frac{1}{7}$$

$$A = \frac{4}{7}$$

$$C = \left(\frac{7}{12} - \frac{1}{6} \right) - \left(\frac{3}{4} - \frac{1}{3} \right)$$

$$C = \frac{5}{12} - \frac{5}{12}$$

$$C = 0$$

$$B = \frac{19}{4} - \left[\frac{1}{2} - \left(\frac{3}{8} - \frac{1}{4} \right) \right]$$

$$B = \frac{19}{4} - \left[\frac{1}{2} - \frac{1}{8} \right]$$

$$B = \frac{19}{4} - \frac{3}{8}$$

$$B = \frac{38}{8} - \frac{3}{8}$$

$$B = \frac{35}{8}$$

$$E = -\frac{14}{30} - \left(-\frac{1}{6} - \frac{1}{5} \right)$$

$$E = -\frac{7}{15} - \left(-\frac{11}{30} \right)$$

$$E = -\frac{14}{30} + \frac{11}{30}$$

$$E = -\frac{3}{30}$$

$$E = -\frac{1}{10}$$

$$F = 1 + \left[2 - \left(3 - \frac{1}{4} \right) \right]$$

$$F = 1 + \left[2 - \frac{11}{4} \right]$$

$$F = 1 - \frac{3}{4}$$

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