

Opeaciones con fracciones

$$4.1) 6 \left(\frac{4}{3} - \frac{13}{6} \right);$$

$$4.2) 6 \left(\frac{3}{4} - \frac{1}{16} \right);$$

$$4.3) 7 \left(\frac{13}{3} + \frac{7}{12} + \frac{11}{6} \right) + 10 \left(\frac{3}{5} + \frac{7}{10} - 1 \right);$$

$$4.4) 4 \left(\frac{3}{4} - \frac{1}{8} \right) - 2 \left(\frac{13}{3} - \frac{1}{6} + 1 \right) - \frac{6}{5} \left(\frac{1}{6} - \frac{13}{3} \right)$$

$$4.1) -5; \quad 4.2) \frac{33}{4}; \quad 4.3) \frac{201}{4}; \quad 4.4) -\frac{17}{6}$$

$$a) \left(\frac{3}{2} - \frac{1}{5} + \frac{1}{10} \right) \cdot 5 - \frac{3}{4} \cdot \frac{6}{5}$$

$$d) 1 - \left[\frac{3}{2} \cdot 5 - \frac{1}{2} \cdot \left(\frac{2}{3} + \frac{1}{9} \right) \right]$$

$$b) \left[\left(\frac{3}{2} - \frac{1}{5} \right) \cdot 5 - \frac{1}{10} \right] \cdot \frac{3}{4} - \frac{6}{5}$$

$$e) \frac{8}{3} - \left[2 : \left(\frac{1}{3} - 1 \right) - \frac{5}{2} \right]$$

$$c) 1 - \frac{3}{2} \cdot 4 - \frac{1}{3} \cdot \left(\frac{1}{5} - \frac{1}{10} \right)$$

$$a) \left(\frac{3}{2} - \frac{1}{5} + \frac{1}{10} \right) \cdot 5 - \frac{3}{4} \cdot \frac{6}{5} = \frac{13}{10} \cdot 5 - \frac{9}{10} = \frac{14}{2} - \frac{9}{10} = \frac{61}{10}$$

$$b) \left[\left(\frac{3}{2} - \frac{1}{5} \right) \cdot 5 - \frac{1}{10} \right] \cdot \frac{3}{4} - \frac{6}{5} = \left[\frac{13}{10} \cdot 5 - \frac{1}{10} \right] \cdot \frac{3}{4} - \frac{6}{5} = \\ = \frac{32}{5} \cdot \frac{3}{4} - \frac{6}{5} = \frac{24}{5} - \frac{6}{5} = \frac{18}{5}$$

$$c) 1 - \frac{3}{2} \cdot 4 - \frac{1}{3} \cdot \left(\frac{1}{5} - \frac{1}{10} \right) = 1 - \frac{3}{2} \cdot 4 - \frac{1}{3} \cdot \frac{1}{10} = 1 - 6 - \frac{1}{30} = -\frac{151}{30}$$

$$d) 1 - \left[\frac{3}{2} \cdot 5 - \frac{1}{2} \cdot \left(\frac{2}{3} + \frac{1}{9} \right) \right] = 1 - \left(\frac{3}{2} \cdot 5 - \frac{1}{2} \cdot \frac{7}{9} \right) = 1 - \left(\frac{15}{2} - \frac{7}{18} \right) = \\ = 1 - \frac{64}{9} = -\frac{55}{9}$$

$$e) \frac{8}{3} - \left[2 : \left(\frac{1}{3} - 1 \right) - \frac{5}{2} \right] = \frac{8}{3} - \left[2 : \left(-\frac{2}{3} \right) - \frac{5}{2} \right] = \frac{8}{3} - \left(-3 - \frac{5}{2} \right) = \\ = \frac{8}{3} - \left(-\frac{11}{2} \right) = \frac{8}{3} + \frac{11}{2} = \frac{49}{6}$$