

$$\begin{aligned} 16 \text{ (1)} \quad & \frac{1}{3} + \left(-\frac{5}{3}\right) + 2 - \frac{2}{15} - \left(-\frac{1}{6}\right) \\ \text{(25)} \quad & = \frac{10}{30} - \frac{50}{30} + \frac{60}{30} - \frac{4}{30} + \frac{5}{30} \\ & = \left(\frac{10}{30} + \frac{60}{30} + \frac{5}{30}\right) - \left(\frac{50}{30} + \frac{4}{30}\right) \\ & = \frac{75}{30} - \frac{54}{30} = \frac{21}{30} = \frac{7}{10} \end{aligned}$$

$$\begin{aligned} \text{(2)} \quad & -5 + \frac{1}{4} - \left(-\frac{5}{6}\right) + \frac{3}{2} - \frac{7}{12} \\ & = -\frac{60}{12} + \frac{3}{12} + \frac{10}{12} + \frac{18}{12} - \frac{7}{12} \\ & = \left(\frac{3}{12} + \frac{10}{12} + \frac{18}{12}\right) - \left(\frac{60}{12} + \frac{7}{12}\right) \\ & = \frac{31}{12} - \frac{67}{12} = -\frac{36}{12} = -3 \end{aligned}$$

$$\begin{aligned} \text{(3)} \quad & \frac{5}{24} - 3 + \left(-\frac{9}{16}\right) - \left(-\frac{1}{12}\right) \\ & = \frac{10}{48} - \frac{144}{48} - \frac{27}{48} + \frac{4}{48} \\ & = \left(\frac{10}{48} + \frac{4}{48}\right) - \left(\frac{144}{48} + \frac{27}{48}\right) \\ & = \frac{14}{48} - \frac{171}{48} = -\frac{157}{48} \end{aligned}$$

$$\begin{aligned} \text{(4)} \quad & \frac{11}{36} + \left(-\frac{1}{4}\right) - (-3) + \frac{7}{18} + \left(-\frac{2}{9}\right) \\ & = \frac{11}{36} - \frac{9}{36} + \frac{108}{36} + \frac{14}{36} - \frac{8}{36} \\ & = \left(\frac{11}{36} + \frac{108}{36} + \frac{14}{36}\right) - \left(\frac{9}{36} + \frac{8}{36}\right) \\ & = \frac{133}{36} - \frac{17}{36} = \frac{116}{36} = \frac{29}{9} \end{aligned}$$

$$17 \text{ (1)} \quad -2 + 8 - (-7 + 5) = -2 + 8 - (-2) = -2 + 8 + 2 = 8$$

$$\begin{aligned} \text{(2)} \quad & (-13) + (-24 + 15) - (-7) = -13 + (-9) + 7 \\ & = -13 - 9 + 7 \\ & = -15 \end{aligned}$$

$$\begin{aligned} \text{(3)} \quad & (+15) - [27 - (-18 + 5)] \\ & = 15 - [27 - (-13)] \\ & = 15 - (27 + 13) = 15 - 40 = -25 \end{aligned}$$

$$\begin{aligned} \text{(4)} \quad & [(18 - 24) - (-40 + 8)] - (-25) \\ & = [(-6) - (-32)] + 25 \\ & = (-6 + 32) + 25 = 26 + 25 = 51 \end{aligned}$$

$$\begin{aligned} \text{(5)} \quad & \frac{2}{5} - \left\{ \frac{7}{4} - \left(\frac{5}{3} + \frac{4}{5} - 1 \right) \right\} \\ & = \frac{24}{60} - \left\{ \frac{105}{60} - \left(\frac{100}{60} + \frac{48}{60} - \frac{60}{60} \right) \right\} \\ & = \frac{24}{60} - \left(\frac{105}{60} - \frac{88}{60} \right) = \frac{24}{60} - \frac{17}{60} = \frac{7}{60} \end{aligned}$$

$$\begin{aligned} \text{(6)} \quad & -\frac{7}{12} + \left\{ \left(\frac{1}{4} - \frac{5}{6} \right) - 3 \right\} - \left(-\frac{3}{8} \right) \\ & = -\frac{14}{24} + \left\{ \left(\frac{5}{24} - \frac{20}{24} \right) - \frac{72}{24} \right\} - \left(-\frac{9}{24} \right) \\ & = -\frac{14}{24} + \left(-\frac{14}{24} - \frac{72}{24} \right) + \frac{9}{24} \\ & = -\frac{14}{24} - \frac{86}{24} + \frac{9}{24} = -\frac{(14+86)}{24} + \frac{9}{24} \\ & = -\frac{100}{24} + \frac{9}{24} = -\frac{91}{24} \end{aligned}$$

$$18 \text{ (1)} \quad 1.5 - \left(-\frac{1}{4}\right) - 2.25 = \frac{6}{4} + \frac{1}{4} - \frac{9}{4} = \frac{7}{4} - \frac{9}{4} = -\frac{2}{4} = -\frac{1}{2}$$

$$\begin{aligned} \text{(2)} \quad & -\frac{5}{3} - \left[0.8 - \left(\frac{4}{15} - \frac{3}{5} \right) \right] + 1 \\ & = -\frac{25}{15} - \left[\frac{12}{15} - \left(\frac{4}{15} - \frac{9}{15} \right) \right] + \frac{15}{15} \\ & = -\frac{25}{15} - \left(\frac{12}{15} + \frac{5}{15} \right) + \frac{15}{15} \\ & = -\frac{25}{15} - \frac{17}{15} + \frac{15}{15} = \frac{15}{15} - \left(\frac{25}{15} + \frac{17}{15} \right) \\ & = \frac{15}{15} - \frac{42}{15} = -\frac{27}{15} = -\frac{9}{5} \end{aligned}$$

注意 小数どうし、あるいは、小数と整数の部分を先に計算してから通分してもよい。