

分数のたし算とひき算

分数のひき算 3

年 組 番

名前

1 計算をしましょう。

$$\frac{1}{10} + \frac{3}{5} + \frac{1}{4} = \frac{2}{20} + \frac{12}{20} + \frac{5}{20}$$

$$= \frac{19}{20}$$

$$\frac{7}{30} + \frac{1}{10} + 1\frac{1}{6} = \frac{7}{30} + \frac{3}{30} + \frac{7}{6}$$

$$= \frac{7}{30} + \frac{3}{30} + \frac{35}{30}$$

$$= \frac{45}{30} = \frac{3}{2} = 1\frac{1}{2}$$

$$\frac{2}{3} - \frac{1}{4} - \frac{1}{6} = \frac{8}{12} - \frac{3}{12} - \frac{2}{12}$$

$$= \frac{3}{12} = \frac{1}{4}$$

$$2\frac{7}{9} - \frac{3}{4} - \frac{5}{6} = \frac{25}{9} - \frac{3}{4} - \frac{5}{6}$$

$$= \frac{100}{36} - \frac{27}{36} - \frac{30}{36}$$

$$= \frac{43}{36} = 1\frac{7}{36}$$

$$\frac{3}{4} + \frac{2}{3} - \frac{5}{12} = \frac{9}{12} + \frac{8}{12} - \frac{5}{12}$$

$$= \frac{12}{12} = 1$$

$$1\frac{2}{3} + \frac{1}{8} - \frac{5}{6} = \frac{5}{3} + \frac{1}{8} - \frac{5}{6}$$

$$= \frac{40}{24} + \frac{3}{24} - \frac{20}{24}$$

$$= \frac{23}{24}$$

$$2\frac{1}{2} - \frac{8}{9} + \frac{11}{27} = \frac{5}{2} - \frac{8}{9} + \frac{11}{27}$$

$$= \frac{135}{54} - \frac{48}{54} + \frac{22}{54}$$

$$= \frac{109}{54} = 2\frac{1}{54}$$

$$1\frac{3}{7} - \frac{13}{14} + \frac{1}{3} = \frac{10}{7} - \frac{13}{14} + \frac{1}{3}$$

$$= \frac{60}{42} - \frac{39}{42} + \frac{14}{42}$$

$$= \frac{33}{42}$$

$$1\frac{2}{3} - \left(2\frac{3}{8} - 1\frac{1}{2}\right) = \frac{5}{3} - \left(\frac{19}{8} - \frac{3}{2}\right)$$

$$= \frac{5}{3} - \left(\frac{19}{8} - \frac{12}{8}\right)$$

$$= \frac{5}{3} - \frac{7}{8}$$

$$= \frac{40}{24} - \frac{21}{24}$$

$$= \frac{19}{24}$$

$$1\frac{7}{9} - \left(\frac{7}{8} + \frac{7}{36}\right) = \frac{16}{9} - \left(\frac{63}{72} + \frac{14}{72}\right)$$

$$= \frac{16}{9} - \frac{77}{72}$$

$$= \frac{128}{72} - \frac{77}{72}$$

$$= \frac{51}{72}$$