

◆問題◆

⇒p.106~p.107

① (1) $3\frac{5}{6}$ (2) $2\frac{1}{8}$ (3) $4\frac{8}{21}$

(4) $3\frac{2}{15}$ (5) $\frac{14}{15}$ (6) $1\frac{3}{4}$

② (1) $1\frac{7}{12}$ (2) $\frac{1}{9}$ (3) $\frac{9}{10}$ (4) $1\frac{2}{5}$

③ (1) $\frac{31}{70}$ (2) $\frac{2}{3}$ (3) $\frac{4}{15}$

(4) $\frac{7}{30}$ (5) $1\frac{1}{12}$ (6) $\frac{1}{3}$

解説

① (4) $1\frac{3}{10} + 1\frac{5}{6} = 1\frac{9}{30} + 1\frac{25}{30} = 2\frac{34}{30} = 3\frac{2}{15}$

(5) $1\frac{1}{3} - \frac{2}{5} = \frac{20}{15} - \frac{6}{15} = \frac{14}{15}$

(6) $3\frac{5}{12} - 1\frac{2}{3} = 2\frac{17}{12} - 1\frac{8}{12} = 1\frac{9}{12} = 1\frac{3}{4}$

② (2) $\frac{4}{9} + \frac{1}{2} - \frac{5}{6} = \frac{8}{18} + \frac{9}{18} - \frac{15}{18} = \frac{2}{18}$

(3) $1\frac{2}{5} - \frac{2}{3} + \frac{1}{6} = \frac{42}{30} - \frac{20}{30} + \frac{5}{30} = \frac{27}{30}$

(4) $3\frac{5}{6} - \frac{9}{10} - 1\frac{8}{15} = 2\frac{55}{30} - \frac{27}{30} - 1\frac{16}{30}$
 $= 1\frac{12}{30}$

③ 小数を分数になおして計算する。それぞれ、

$0.3 = \frac{3}{10}$, $0.5 = \frac{1}{2}$, $0.2 = \frac{1}{5}$, $0.9 = \frac{9}{10}$,

$0.25 = \frac{25}{100} = \frac{1}{4}$, $0.75 = \frac{75}{100} = \frac{3}{4}$

(2) $0.5 + \frac{1}{6} = \frac{1}{2} + \frac{1}{6} = \frac{3}{6} + \frac{1}{6} = \frac{4}{6}$

(4) $0.9 - \frac{2}{3} = \frac{9}{10} - \frac{2}{3} = \frac{27}{30} - \frac{20}{30}$

(6) $0.75 - \frac{5}{12} = \frac{3}{4} - \frac{5}{12} = \frac{9}{12} - \frac{5}{12} = \frac{4}{12}$

① (1) $2\frac{1}{2}$ (2) $2\frac{19}{20}$ (3) $3\frac{1}{6}$

(4) $1\frac{12}{35}$ (5) $4\frac{7}{15}$ (6) $5\frac{1}{6}$

(7) $1\frac{11}{24}$ (8) $\frac{3}{10}$

② (1) $\frac{3}{4}$ (2) $\frac{5}{18}$ (3) $5\frac{7}{20}$ (4) $\frac{3}{4}$

③ (1) $\frac{14}{15}$ (2) $1\frac{3}{8}$ (3) $\frac{7}{45}$ (4) $\frac{11}{60}$

④ $4\frac{1}{12}$ 時間

⑤ $\frac{23}{40}$ L

解説

① (2) $1\frac{5}{12} + 1\frac{8}{15} = 1\frac{25}{60} + 1\frac{32}{60} = 2\frac{57}{60}$

(4) $2\frac{7}{10} - 1\frac{5}{14} = 2\frac{49}{70} - 1\frac{25}{70} = 1\frac{24}{70}$

(6) $1\frac{11}{18} + 3\frac{5}{9} = 1\frac{11}{18} + 3\frac{10}{18} = 4\frac{21}{18} = 5\frac{1}{6}$

(8) $2\frac{2}{15} - 1\frac{5}{6} = 1\frac{34}{30} - 1\frac{25}{30} = \frac{9}{30} = \frac{3}{10}$

② (2) $\frac{2}{3} - \frac{1}{6} - \frac{2}{9} = \frac{12}{18} - \frac{3}{18} - \frac{4}{18}$

(3) $1\frac{2}{5} + \frac{1}{4} + 3\frac{7}{10} = 1\frac{8}{20} + \frac{5}{20} + 3\frac{14}{20}$

(4) $2\frac{1}{2} - 1\frac{11}{12} + \frac{1}{6} = 1\frac{18}{12} - 1\frac{11}{12} + \frac{2}{12} = \frac{9}{12}$

③ (2) $\frac{5}{8} + 0.75 = \frac{5}{8} + \frac{3}{4} = \frac{5}{8} + \frac{6}{8}$

(4) $0.35 - \frac{1}{6} = \frac{7}{20} - \frac{1}{6} = \frac{21}{60} - \frac{10}{60}$

④ $2\frac{1}{3} + 1\frac{3}{4} = 3\frac{13}{12} = 4\frac{1}{12}$ (時間)

⑤ $1\frac{1}{4} - \frac{3}{8} - \frac{3}{10} = \frac{23}{40}$ (L)