

21 分数のたし算とひき算

❖問題❖

→p.102~p.103

1 (1) $\frac{5}{6}$ (2) $\frac{29}{35}$ (3) $\frac{13}{18}$ (4) $\frac{14}{15}$

2 (1) $\frac{1}{12}$ (2) $\frac{7}{12}$ (3) $\frac{1}{30}$ (4) $\frac{4}{21}$

3 (1) $\frac{2}{3}$ (2) $\frac{5}{6}$ (3) $1\frac{3}{4}(\frac{7}{4})$

(4) $\frac{1}{6}$ (5) $\frac{2}{3}$ (6) $\frac{8}{15}$

4 (1) $1\frac{17}{24}(\frac{41}{24})\text{L}$

(2) りんごジュースのほうが $\frac{1}{24}\text{L}$ 多い。

解説

3 (3) $\frac{4}{5} + \frac{19}{20} = \frac{35}{20} = \frac{7}{4} = 1\frac{3}{4}$

(6) $\frac{13}{12} - \frac{11}{20} = \frac{32}{60} = \frac{8}{15}$

4 (1) $\frac{5}{6} + \frac{7}{8} = 1\frac{17}{24}$

(2) $\frac{7}{8} - \frac{5}{6} = \frac{1}{24}$

(これ以降、帯分数の答えは仮分数でも、仮分数の答えは帯分数でも表せる。)

❖確認問題❖

→p.104

1 (1) $\frac{17}{20}$ (2) $1\frac{8}{21}$ (3) $\frac{5}{9}$

(4) $1\frac{13}{30}$ (5) $\frac{1}{14}$ (6) $\frac{2}{15}$

(7) $\frac{5}{32}$ (8) $\frac{17}{36}$

2 (1) $\frac{3}{4}$ (2) $\frac{17}{20}$ (3) $1\frac{1}{9}$

(4) $1\frac{3}{8}$ (5) $\frac{3}{10}$ (6) $\frac{24}{35}$

(7) $\frac{1}{3}$ (8) $\frac{5}{6}$

3 $\frac{2}{3}\text{km}$

4 $\frac{11}{40}\text{L}$

解説

3 $\frac{1}{4} + \frac{5}{12} = \frac{2}{3}(\text{km})$

4 $\frac{7}{8} - \frac{3}{5} = \frac{11}{40}(\text{L})$

❖練習問題❖

→p.105

1 (1) $2\frac{1}{2}$ (2) $\frac{41}{120}$ (3) $1\frac{44}{255}$

(4) $\frac{191}{840}$ (5) $1\frac{1}{12}$ (6) $\frac{9}{32}$

(7) $1\frac{5}{56}$ (8) $\frac{19}{20}$ (9) $\frac{5}{24}$ (10) $\frac{5}{12}$

2 ① 2 ② 3 ③ 1

3 (1) $\frac{7}{20}\text{L}$ (2) $\frac{2}{5}\text{L}$

4 切り取ったテープのほうが $\frac{1}{15}\text{m}$ 長い。

解説

1 (1) $\frac{4}{3} + \frac{7}{6} = \frac{15}{6} = \frac{5}{2} = 2\frac{1}{2}$

(7) $\frac{31}{40} + \frac{11}{35} = \frac{305}{280} = \frac{61}{56} = 1\frac{5}{56}$

(8) $\frac{23}{90} + \frac{25}{36} = \frac{171}{180} = \frac{19}{20}$

(9) $\frac{53}{88} - \frac{13}{33} = \frac{55}{264} = \frac{5}{24}$

(10) $\frac{37}{28} - \frac{19}{21} = \frac{35}{84} = \frac{5}{12}$

3 (1) $\frac{1}{5} + \frac{3}{20} = \frac{7}{20}(\text{L})$

(2) $\frac{3}{4} - \frac{7}{20} = \frac{2}{5}(\text{L})$

4 $\frac{8}{15} - \frac{3}{10} = \frac{7}{30}(\text{m})$, $\frac{3}{10} - \frac{7}{30} = \frac{1}{15}(\text{m})$