

# こたえ

## 小学4~6年の 分数の計算

### ステップ 1

(P.4・5)

1 ①  $\frac{1}{2}$  ②  $\frac{1}{3}$  ③  $\frac{1}{4}$  ④  $\frac{1}{5}$  ⑤  $\frac{1}{6}$

2 ①  $\frac{1}{2}$  ②  $\frac{1}{3}$  ③  $\frac{1}{4}$  ④  $\frac{1}{6}$   
⑤  $\frac{1}{8}$  ⑥  $\frac{1}{10}$

3 ①  $\frac{2}{5}$  ②  $\frac{4}{5}$  ③  $\frac{7}{8}$  ④  $\frac{3}{10}$   
⑤  $\frac{5}{9}$  ⑥  $\frac{2}{3}$  ⑦  $\frac{4}{7}$  ⑧  $\frac{9}{10}$

### ステップ 2

(P.6・7)

■ ステップ1の復習

①  $\frac{5}{9}$  ②  $\frac{2}{3}$  ③  $\frac{4}{7}$

1 ① 2 ② 3 ③ 2 ④ 2 ⑤ 4

2 ①  $1\frac{1}{4}$  ②  $2\frac{3}{4}$  ③  $2\frac{4}{5}$  ④  $3\frac{1}{5}$   
⑤ 4 ⑥  $5\frac{1}{5}$  ⑦  $1\frac{1}{6}$  ⑧ 3  
⑨  $3\frac{5}{6}$  ⑩ 6 ⑪  $5\frac{1}{6}$  ⑫  $4\frac{7}{8}$   
⑬  $1\frac{7}{10}$  ⑭  $1\frac{4}{11}$

### ステップ 3

(P.8・9)

■ ステップ2の復習

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

1 ①  $\frac{9}{5}$  ②  $\frac{12}{5}$  ③  $\frac{17}{5}$   
④  $\frac{24}{5}$  ⑤  $\frac{17}{4}$

2 ①  $\frac{5}{2}$  ②  $\frac{19}{4}$  ③  $\frac{17}{6}$  ④  $\frac{53}{8}$   
⑤  $\frac{10}{3}$  ⑥  $\frac{22}{5}$  ⑦  $\frac{37}{7}$  ⑧  $\frac{67}{9}$   
⑨  $\frac{15}{4}$  ⑩  $\frac{37}{11}$  ⑪  $\frac{35}{6}$  ⑫  $\frac{59}{8}$

3 ①  $\frac{3}{3}$  ②  $\frac{8}{4}$  ③  $\frac{18}{6}$

### ステップ 4

(P.10・11)

■ ステップ3の復習

①  $\frac{3}{2}$  ②  $\frac{23}{7}$  ③  $\frac{19}{5}$   
④  $\frac{17}{6}$  ⑤  $\frac{39}{9}$

1 ①  $\frac{5}{7}$  ②  $\frac{6}{7}$  ③  $\frac{5}{12}$   
④  $1\frac{1}{15}(\frac{16}{15})$  ⑤  $4\frac{1}{2}(\frac{9}{2})$   
⑥  $4\frac{1}{6}(\frac{25}{6})$

2 ① 1 ② 8 ③ 5  
④ 5 ⑤ 5 ⑥ 4

3 ①  $\frac{1}{5} = \frac{1}{5} \div \frac{5}{5} = \frac{0.2}{5}$  ② 0.4  
③ 0.25 ④ 0.75

ステップ5

(P.12・13)

■ ステップ4の復習

- ①  $\frac{1}{9}$    ②  $\frac{7}{8}$    ③  $1\frac{1}{5}(\frac{6}{5})$   
 ④  $1\frac{8}{9}(\frac{17}{9})$    ⑤  $5\frac{3}{5}(\frac{28}{5})$

- 1 ①  $\frac{3}{10}$    ② 0.5   ③  $\frac{9}{10}$    ④ 0.1  
 ⑤  $\frac{2}{10}$    ⑥ 0.4   ⑦  $\frac{6}{10}$    ⑧ 0.8

- 2 ① 0.1   ② 0.3   ③ 0.5  
 ④ 0.5   ⑤ 0.2   ⑥ 0.4  
 ⑦ 0.01   ⑧ 0.02   ⑨ 0.18

- 3 ①  $\frac{6}{10}$    ②  $\frac{4}{10}$    ③  $\frac{3}{10}$    ④  $\frac{3}{100}$   
 ⑤  $\frac{8}{100}$    ⑥  $\frac{7}{100}$    ⑦  $\frac{26}{100}$    ⑧  $4\frac{8}{100}$

チェックリスト

(P.14・15)

ステップ1の復習

- ①  $\frac{1}{4}$    ②  $\frac{2}{4}$    ③  $\frac{3}{5}$    ④  $\frac{2}{5}$   
 ⑤  $\frac{4}{5}$

ステップ2の復習

- ①  $2\frac{3}{5}$    ②  $4\frac{4}{5}$    ③ 3  
 ④  $6\frac{3}{4}$    ⑤ 6   ⑥  $5\frac{1}{6}$

ステップ3の復習

- ①  $\frac{5}{2}$    ②  $\frac{19}{4}$    ③  $\frac{35}{6}$   
 ④  $\frac{22}{5}$    ⑤  $\frac{37}{7}$    ⑥  $\frac{55}{8}$

ステップ4の復習

- ①  $\frac{6}{8}$    ②  $\frac{5}{11}$    ③  $\frac{16}{14}$   
 ④  $5\div 9$    ⑤  $7\div 2$

ステップ5の復習

- ① 0.3   ②  $\frac{8}{100}$    ③  $3\frac{2}{100}(\frac{302}{100})$

ステップ6

(P.16・17)

■ ステップ5の復習

- ① 0.2   ② 0.03   ③ 0.4  
 ④  $\frac{2}{10}$    ⑤  $\frac{5}{100}$

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

- 2 ①  $\frac{3}{5}$    ②  $\frac{4}{7}$    ③  $\frac{4}{7}$    ④  $\frac{6}{7}$   
 ⑤  $\frac{7}{9}$    ⑥  $\frac{8}{9}$    ⑦  $\frac{5}{6}$    ⑧  $\frac{5}{8}$   
 ⑨  $\frac{6}{7}$    ⑩  $\frac{7}{9}$    ⑪  $\frac{3}{7}$    ⑫  $\frac{5}{11}$

ステップ7

(P.18・19)

■ ステップ6の復習

- ①  $\frac{3}{5}$    ②  $\frac{5}{7}$    ③  $\frac{5}{6}$    ④  $\frac{7}{9}$

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

- 2 ①  $1\frac{2}{9}(\frac{11}{9})$    ② 1

- ③ 1   ④  $1\frac{1}{7}(\frac{8}{7})$   
 ⑤ 1   ⑥  $1\frac{3}{7}(\frac{10}{7})$   
 ⑦  $1\frac{4}{9}(\frac{13}{9})$    ⑧  $1\frac{3}{9}(\frac{12}{9})$   
 ⑨  $1\frac{4}{6}(\frac{10}{6})$    ⑩  $1\frac{4}{7}(\frac{11}{7})$   
 ⑪  $1\frac{6}{9}(\frac{15}{9})$    ⑫  $1\frac{6}{10}(\frac{16}{10})$

ステップ8

(P.20・21)

■ ステップ7の復習

- ①  $1\frac{3}{7}(\frac{10}{7})$    ② 1  
 ③  $1\frac{7}{9}(\frac{16}{9})$    ④ 1

- 1 ①  $\square \frac{3}{5}$    ②  $2\frac{4}{7}$    ③  $3\frac{5}{9}$   
 ④  $4\frac{1}{6}$    ⑤  $5\frac{2}{3}$

- 2 ①  $5\frac{2}{5}$    ②  $7\frac{3}{7}$    ③  $4\frac{2}{3}$    ④  $4\frac{3}{4}$   
 ⑤  $4\frac{2}{9}$    ⑥  $2\frac{5}{8}$    ⑦  $6\frac{1}{8}$    ⑧  $5\frac{7}{9}$   
 ⑨  $8\frac{1}{4}$    ⑩  $3\frac{5}{6}$

ステップ9

(P.22・23)

■ ステップ8の復習

- ①  $2\frac{3}{5}$    ②  $1\frac{2}{3}$    ③  $5\frac{1}{8}$    ④  $6\frac{2}{5}$

- 1 ①  $2\frac{3}{5}$    ②  $1\frac{4}{5}$    ③  $2\frac{4}{5}$    ④  $1\frac{5}{7}$

- 2 ①  $3\frac{4}{5}$    ②  $3\frac{5}{7}$    ③  $5\frac{6}{7}$    ④  $3\frac{5}{9}$

- ⑤  $4\frac{7}{9}$    ⑥  $6\frac{8}{9}$    ⑦  $7\frac{3}{5}$    ⑧  $4\frac{4}{5}$   
 ⑨  $8\frac{3}{4}$    ⑩  $10\frac{7}{9}$    ⑪  $10\frac{5}{7}$    ⑫  $10\frac{4}{5}$

ステップ10

(P.24・25)

■ ステップ9の復習

- ①  $1\frac{3}{5}$    ②  $2\frac{5}{7}$    ③  $4\frac{5}{6}$    ④  $5\frac{8}{9}$

- 1 ①  $2\frac{2}{3} + \frac{2}{3} = 2\frac{4}{3} = \square \frac{1}{3}$   
 ②  $3\frac{4}{5} + \frac{3}{5} = 3\frac{7}{5} = 4\frac{2}{5}$   
 ③  $1\frac{4}{7} + \frac{5}{7} = 1\frac{9}{7} = 2\frac{2}{7}$   
 ④  $\frac{4}{5} + 1\frac{2}{5} = 1\frac{6}{5} = 2\frac{1}{5}$

- 2 ①  $2\frac{3}{7}$    ②  $3\frac{4}{7}$    ③  $4\frac{5}{7}$   
 ④  $3\frac{2}{9}$    ⑤  $4\frac{3}{9}$    ⑥  $5\frac{4}{6}$   
 ⑦  $5\frac{1}{9}$    ⑧  $6\frac{1}{9}$    ⑨  $8\frac{3}{7}$   
 ⑩  $3\frac{3}{11}$    ⑪  $\square \frac{5}{5} = \square$    ⑫ 4

ステップ11

(P.26・27)

■ ステップ10の復習

- ①  $4\frac{1}{3}$    ②  $3\frac{3}{5}$    ③  $3\frac{1}{9}$    ④  $3\frac{4}{7}$

- 1 ①  $1\frac{2}{3} + 2\frac{2}{3} = 3\frac{4}{3} = \square \frac{1}{3}$   
 ②  $1\frac{3}{5} + 2\frac{3}{5} = 3\frac{6}{5} = 4\frac{1}{5}$   
 ③  $2\frac{3}{7} + 3\frac{6}{7} = 5\frac{9}{7} = 6\frac{2}{7}$

$$\textcircled{4} 2\frac{4}{5} + 1\frac{3}{5} = 3\frac{7}{5} = 4\frac{2}{5}$$

$$2 \textcircled{1} 6\frac{3}{7} \quad \textcircled{2} 5\frac{5}{9} \quad \textcircled{3} 6\frac{3}{9} \quad \textcircled{4} 5\frac{3}{7}$$

$$\textcircled{5} 6\frac{3}{7} \quad \textcircled{6} 6\frac{2}{9} \quad \textcircled{7} 5\frac{4}{6} \quad \textcircled{8} 5\frac{4}{9}$$

$$\textcircled{9} 7\frac{4}{7} \quad \textcircled{10} 7\frac{2}{11} \quad \textcircled{11} \boxed{4}\frac{\boxed{5}}{5} = \boxed{5}$$

⑫ 4

### ステップ12

(P.28・29)

#### ■ステップ11の復習

$$\textcircled{1} 5\frac{1}{3} \quad \textcircled{2} 5\frac{2}{5} \quad \textcircled{3} 6\frac{4}{7} \quad \textcircled{4} 4\frac{3}{9}$$

$$1 \textcircled{1} \boxed{2}\frac{1}{4} \quad \textcircled{2} \frac{3}{5} \quad \textcircled{3} \frac{1}{5} \quad \textcircled{4} \frac{1}{6}$$

$$2 \textcircled{1} \frac{2}{5} \quad \textcircled{2} \frac{1}{6} \quad \textcircled{3} \frac{3}{7} \quad \textcircled{4} \frac{4}{7}$$

$$\textcircled{5} \frac{3}{8} \quad \textcircled{6} \frac{2}{8} \quad \textcircled{7} \frac{5}{9} \quad \textcircled{8} \frac{7}{9}$$

$$\textcircled{9} \frac{4}{10} \quad \textcircled{10} \frac{2}{10} \quad \textcircled{11} \frac{3}{11} \quad \textcircled{12} \frac{3}{13}$$

### ステップ13

(P.30・31)

#### ■ステップ12の復習

$$\textcircled{1} \frac{1}{5} \quad \textcircled{2} \frac{1}{3} \quad \textcircled{3} \frac{2}{7} \quad \textcircled{4} \frac{3}{9}$$

$$1 \textcircled{1} \frac{3}{5} \quad \textcircled{2} \frac{2}{5} \quad \textcircled{3} \frac{3}{5} \quad \textcircled{4} \frac{4}{5}$$

$$2 \textcircled{1} \frac{4}{6} \quad \textcircled{2} \frac{3}{6} \quad \textcircled{3} \frac{5}{7} \quad \textcircled{4} \frac{3}{7}$$

$$\textcircled{5} \frac{6}{7} \quad \textcircled{6} \frac{5}{9} \quad \textcircled{7} \frac{2}{9} \quad \textcircled{8} \frac{3}{9}$$

$$\textcircled{9} \frac{4}{9} \quad \textcircled{10} \frac{7}{9} \quad \textcircled{11} \frac{6}{11} \quad \textcircled{12} \frac{8}{11}$$

### ステップ14

(P.32・33)

#### ■ステップ13の復習

$$\textcircled{1} \frac{4}{5} \quad \textcircled{2} \frac{3}{5} \quad \textcircled{3} \frac{6}{7} \quad \textcircled{4} \frac{4}{7}$$

$$1 \textcircled{1} \boxed{1}\frac{1}{2} \quad \textcircled{2} \boxed{2}\frac{2}{3} \quad \textcircled{3} \frac{4}{5} \quad \textcircled{4} \frac{5}{6}$$

$$2 \textcircled{1} \frac{1}{4} \quad \textcircled{2} \frac{1}{3} \quad \textcircled{3} \frac{1}{5} \quad \textcircled{4} \frac{1}{7}$$

$$\textcircled{5} \frac{5}{8} \quad \textcircled{6} \frac{4}{9} \quad \textcircled{7} \frac{5}{7} \quad \textcircled{8} \frac{2}{9}$$

$$\textcircled{9} \frac{3}{5} \quad \textcircled{10} \frac{3}{10} \quad \textcircled{11} \frac{6}{11} \quad \textcircled{12} \frac{1}{8}$$

### ステップ15

(P.34・35)

#### ■ステップ14の復習

$$\textcircled{1} \frac{2}{5} \quad \textcircled{2} \frac{3}{7} \quad \textcircled{3} \frac{1}{6} \quad \textcircled{4} \frac{2}{9}$$

$$1 \textcircled{1} \boxed{3}\frac{1}{5} \quad \textcircled{2} \boxed{1}\frac{4}{5} \quad \textcircled{3} \boxed{1}\frac{1}{5} \quad \textcircled{4} \boxed{1}\frac{5}{7}$$

$$2 \textcircled{1} 2\frac{5}{7} \quad \textcircled{2} 2\frac{1}{5} \quad \textcircled{3} 3\frac{4}{7} \quad \textcircled{4} 2\frac{1}{4}$$

$$\textcircled{5} 3\frac{4}{5} \quad \textcircled{6} \boxed{1}\frac{7}{9} \quad \textcircled{7} 3\frac{7}{9} \quad \textcircled{8} 4\frac{4}{5}$$

$$\textcircled{9} 4\frac{2}{7} \quad \textcircled{10} 6\frac{4}{9} \quad \textcircled{11} \boxed{1}\frac{\boxed{3}}{5} \quad \textcircled{12} \boxed{2}\frac{2}{7}$$

### ステップ16

(P.36・37)

#### ■ステップ15の復習

$$\textcircled{1} \boxed{1}\frac{2}{5} \quad \textcircled{2} 2\frac{2}{7} \quad \textcircled{3} 3\frac{2}{9} \quad \textcircled{4} 4\frac{3}{5}$$

$$1 \textcircled{1} \boxed{3}\frac{1}{5} \quad \textcircled{2} \boxed{1}\frac{2}{5} \quad \textcircled{3} \boxed{1}\frac{1}{5} \quad \textcircled{4} 2\frac{3}{5}$$

$$2 \textcircled{1} 2\frac{1}{6} \quad \textcircled{2} 3\frac{3}{6} \quad \textcircled{3} 3\frac{2}{8} \quad \textcircled{4} 5\frac{2}{8}$$

$$\textcircled{5} 5\frac{1}{7} \quad \textcircled{6} 4\frac{3}{7} \quad \textcircled{7} 3\frac{2}{9} \quad \textcircled{8} 3\frac{3}{9}$$

$$\textcircled{9} 4\frac{1}{11} \quad \textcircled{10} 5\frac{3}{11} \quad \textcircled{11} \boxed{2} \quad \textcircled{12} \frac{6}{7}$$

### ステップ17

(P.38・39)

#### ■ステップ16の復習

$$\textcircled{1} \boxed{1}\frac{2}{5} \quad \textcircled{2} 2\frac{1}{5} \quad \textcircled{3} 2 \quad \textcircled{4} 3\frac{2}{9}$$

$$1 \textcircled{1} 3\frac{1}{5} - \frac{4}{5} = 2\frac{\boxed{6}}{5} - \frac{4}{5} = 2\frac{\boxed{2}}{5}$$

$$\textcircled{2} 3\frac{2}{5} - \frac{3}{5} = 2\frac{7}{5} - \frac{3}{5} = 2\frac{4}{5}$$

$$\textcircled{3} 4\frac{3}{5} - \boxed{1}\frac{4}{5} = 3\frac{\boxed{8}}{5} - \boxed{1}\frac{4}{5} = 2\frac{4}{5}$$

$$2 \textcircled{1} 2\frac{3}{6} \quad \textcircled{2} 2\frac{5}{7} \quad \textcircled{3} 2\frac{7}{8}$$

$$\textcircled{4} 2\frac{5}{8} \quad \textcircled{5} 2\frac{6}{9} \quad \textcircled{6} 2\frac{7}{10}$$

$$\textcircled{7} 3\frac{7}{9} \quad \textcircled{8} 3\frac{8}{11} \quad \textcircled{9} 4\frac{10}{12}$$

$$\textcircled{10} 6\frac{12}{13} \quad \textcircled{11} 5\frac{10}{12}$$

### チェックテスト

(P.40・41)

#### ステップ6・7の復習

$$\textcircled{1} \frac{3}{5} \quad \textcircled{2} \frac{5}{7} \quad \textcircled{3} \boxed{1}\frac{2}{5} \left(\frac{7}{5}\right) \quad \textcircled{4} 1$$

#### ステップ8～10の復習

$$\textcircled{1} \boxed{1}\frac{2}{5} \quad \textcircled{2} 7\frac{1}{8} \quad \textcircled{3} 2\frac{4}{5} \quad \textcircled{4} 2\frac{1}{5}$$

#### ステップ11の復習

$$\textcircled{1} 2\frac{4}{5} + 1\frac{3}{5} = 3\frac{7}{5} = 4\frac{2}{5}$$

$$\textcircled{2} 3\frac{5}{6} + 1\frac{5}{6} = 4\frac{10}{6} = 5\frac{4}{6}$$

$$\textcircled{3} \boxed{1}\frac{3}{7} + 3\frac{4}{7} = 4\frac{7}{7} = 5$$

$$\textcircled{4} 2\frac{5}{6} + 3\frac{1}{6} = 5\frac{6}{6} = 6$$

#### ステップ12・13の復習

$$\textcircled{1} \frac{1}{3} \quad \textcircled{2} \frac{2}{7} \quad \textcircled{3} \frac{2}{3} \quad \textcircled{4} \frac{2}{9}$$

#### ステップ14・15の復習

$$\textcircled{1} \frac{2}{3} \quad \textcircled{2} \frac{1}{5} \quad \textcircled{3} \boxed{1}\frac{2}{5} \quad \textcircled{4} 5\frac{5}{9}$$

#### ステップ16・17の復習

$$\textcircled{1} \boxed{1}\frac{2}{5} \quad \textcircled{2} 2\frac{2}{7}$$

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

$$\textcircled{4} 2\frac{3}{7} - \frac{5}{7} = \boxed{1}\frac{10}{7} - \frac{5}{7} = \boxed{1}\frac{5}{7}$$

### ステップ18

(P.42・43)

#### ■ステップ17の復習

$$\textcircled{1} 2\frac{3}{5} \quad \textcircled{2} 2\frac{4}{5} \quad \textcircled{3} 2\frac{6}{7} \quad \textcircled{4} 2\frac{4}{7}$$

$$1 \textcircled{1} \frac{3}{4} = \frac{\boxed{6}}{8} \quad \textcircled{2} \frac{5}{6} = \frac{10}{\boxed{12}}$$

$$\textcircled{3} \frac{2}{3} = \frac{\boxed{6}}{9} \quad \textcircled{4} \frac{3}{5} = \frac{9}{\boxed{15}}$$

$$\textcircled{5} \frac{1}{3} = \frac{\boxed{4}}{12} \quad \textcircled{6} \frac{4}{7} = \frac{16}{\boxed{28}}$$

$$2 \textcircled{1} \frac{8}{10} = \frac{\boxed{4}}{5} \quad \textcircled{2} \frac{4}{8} = \frac{2}{\boxed{4}}$$

③  $\frac{9}{12} = \frac{\boxed{3}}{4}$       ④  $\frac{6}{9} = \frac{2}{\boxed{3}}$   
 ⑤  $\frac{8}{12} = \frac{\boxed{2}}{3}$

**ステップ19**

(P.44・45)

■ ステップ18の復習

①  $\frac{4}{5} = \frac{8}{\boxed{10}}$       ②  $\frac{6}{8} = \frac{\boxed{3}}{4}$

**1** ①  $\frac{2}{6} = \frac{\boxed{1}}{3}$       ②  $\frac{6}{8} = \frac{\boxed{3}}{4}$   
 ③  $\frac{2}{4} = \frac{1}{2}$       ④  $\frac{2}{10} = \frac{1}{5}$   
 ⑤  $\frac{10}{12} = \frac{5}{6}$       ⑥  $\frac{4}{14} = \frac{2}{7}$

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

**3** ①  $\frac{2}{3}$       ②  $\frac{4}{5}$       ③  $\frac{5}{6}$       ④  $\frac{3}{8}$   
 ⑤  $\frac{4}{5}$       ⑥  $\frac{4}{7}$       ⑦  $\frac{7}{8}$       ⑧  $\frac{5}{9}$

**ステップ20**

(P.46・47)

■ ステップ19の復習

①  $\frac{1}{4}$       ②  $\frac{3}{5}$       ③  $\frac{1}{3}$       ④  $\frac{4}{5}$

**1** ①  $\frac{2}{3}$       ②  $\frac{2}{3}$       ③  $\frac{1}{4}$       ④  $\frac{1}{7}$   
 ⑤  $\frac{2}{5}$       ⑥  $\frac{7}{9}$       ⑦  $\frac{5}{6}$

**2** ①  $\frac{3}{7}$       ②  $\frac{1}{2}$       ③  $\frac{2}{3}$       ④  $\frac{7}{11}$

**3** ①  $\frac{3}{5}$       ②  $\frac{7}{12}$       ③  $\frac{7}{8}$       ④  $\frac{11}{13}$   
 ⑤  $\frac{14}{17}$       ⑥  $\frac{1}{19}$       ⑦  $\frac{9}{13}$       ⑧  $\frac{3}{8}$   
 ⑨  $\frac{4}{9}$

**ステップ21**

(P.48・49)

■ ステップ20の復習

①  $\frac{1}{2}$       ②  $\frac{3}{4}$       ③  $\frac{2}{3}$       ④  $\frac{3}{5}$

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

**2** ①  $\frac{4}{7}$       ②  $\frac{4}{5}$       ③  $\frac{2}{3}$       ④  $\frac{5}{8}$   
 ⑤  $\frac{3}{4}$       ⑥  $\frac{4}{9}$       ⑦  $\frac{4}{5}$       ⑧  $\frac{2}{3}$   
 ⑨  $\frac{4}{9}$       ⑩  $\frac{2}{7}$

**ステップ22**

(P.50・51)

■ ステップ21の復習

①  $\frac{1}{3}$       ②  $\frac{3}{4}$       ③  $\frac{4}{9}$       ④  $\frac{4}{5}$

**1** ① 1, 2, 3, 4, 6, 12  
 ② 1, 2, 3, 5, 6, 10, 15, 30  
 ③  $\boxed{6}$

**2** ①  $\boxed{4}$ ,  $\frac{12}{20} = \frac{3}{5}$       ②  $\boxed{4}$ ,  $\frac{20}{24} = \frac{5}{6}$   
 ③  $\boxed{6}$ ,  $\frac{18}{24} = \frac{3}{4}$       ④  $\boxed{6}$ ,  $\frac{12}{30} = \frac{2}{5}$   
 ⑤  $\boxed{15}$ ,  $\frac{15}{30} = \frac{1}{2}$       ⑥  $\boxed{9}$ ,  $\frac{18}{27} = \frac{2}{3}$

⑦  $\boxed{8}$ ,  $\frac{24}{32} = \frac{3}{4}$       ⑧  $\boxed{9}$ ,  $\frac{27}{36} = \frac{3}{4}$   
 ⑨  $\boxed{12}$ ,  $\frac{36}{48} = \frac{3}{4}$       ⑩  $\boxed{15}$ ,  $\frac{45}{60} = \frac{3}{4}$

**ステップ23**

(P.52・53)

■ ステップ22の復習

①  $\boxed{4}$ ,  $\frac{12}{20} = \frac{3}{5}$       ②  $\boxed{6}$ ,  $\frac{18}{24} = \frac{3}{4}$

**1** ①  $\boxed{6}$       ②  $\boxed{10}$       ③  $\boxed{6}$

**2** ①  $\frac{2}{3}$       ②  $\frac{2}{3}$       ③  $\frac{2}{5}$       ④  $\frac{4}{7}$   
 ⑤  $\frac{5}{6}$       ⑥  $\frac{3}{4}$       ⑦  $\frac{2}{7}$       ⑧  $\frac{5}{12}$   
 ⑨  $\frac{2}{3}$       ⑩  $\frac{3}{11}$

**ステップ24**

(P.54・55)

■ ステップ23の復習

①  $\frac{1}{3}$       ②  $\frac{2}{5}$       ③  $\frac{5}{6}$       ④  $\frac{11}{17}$

**1** ①  $\frac{1}{3}$       ②  $\frac{1}{4}$       ③  $\frac{1}{4}$       ④  $\frac{1}{6}$   
**2** ①  $\frac{1}{3}$       ②  $\frac{1}{2}$       ③  $\frac{2}{3}$       ④  $\frac{2}{3}$   
 ⑤  $\frac{2}{5}$       ⑥  $\frac{3}{5}$       ⑦  $\frac{1}{2}$       ⑧  $\frac{2}{3}$   
 ⑨  $\frac{2}{7}$       ⑩  $\frac{4}{5}$

**チェックテスト**

(P.56・57)

ステップ18・19の復習

①  $\frac{3}{5}$       ②  $\frac{2}{5}$       ③  $\frac{6}{7}$       ④  $\frac{7}{8}$

ステップ20の復習

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

ステップ21の復習

①  $\frac{3}{4}$       ②  $\frac{4}{7}$       ③  $\frac{4}{5}$       ④  $\frac{4}{9}$

ステップ22の復習

①  $\boxed{6}$ ,  $\frac{18}{30} = \frac{3}{5}$       ②  $\boxed{8}$ ,  $\frac{24}{40} = \frac{3}{5}$

ステップ23の復習

①  $\frac{2}{5}$       ②  $\frac{2}{3}$       ③  $\frac{11}{17}$       ④  $\frac{5}{8}$

ステップ24の復習

①  $\frac{1}{2}$       ②  $\frac{1}{4}$       ③  $\frac{2}{3}$       ④  $\frac{2}{5}$

**ステップ25**

(P.58・59)

■ ステップ24の復習

①  $\frac{3}{5}$       ②  $\frac{3}{4}$       ③  $\frac{1}{2}$       ④  $\frac{2}{7}$

**1** ①  $\frac{1}{8} + \frac{1}{4} = \frac{1}{8} + \frac{\boxed{2}}{8} = \frac{3}{8}$   
 ②  $\frac{5}{8} + \frac{1}{4} = \frac{\boxed{5}}{8} + \frac{\boxed{2}}{8} = \frac{7}{8}$   
 ③  $\frac{7}{8}$       ④  $\frac{5}{8}$

**2** ①  $\frac{5}{6}$       ②  $\frac{3}{10}$       ③  $\frac{7}{10}$       ④  $\frac{7}{10}$

**3** ①  $\frac{1}{6} + \frac{1}{3} = \frac{1}{6} + \frac{\boxed{2}}{6} = \frac{\boxed{3}}{6} = \frac{\boxed{1}}{2}$   
 ②  $\frac{1}{2}$       ③  $\frac{1}{4}$       ④  $\frac{3}{4}$       ⑤  $\frac{1}{6}$       ⑥  $\frac{1}{2}$

■ ステップ25の復習

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

1 ①  $\frac{4}{8} + \frac{3}{8} = \frac{7}{8}$     ②  $\frac{1}{9} + \frac{3}{9} = \frac{4}{9}$

③  $\frac{5}{9}$     ④  $\frac{7}{9}$

2 ①  $\frac{7}{9}$     ②  $\frac{8}{9}$     ③  $\frac{8}{9}$     ④  $\frac{5}{12}$

⑤  $\frac{11}{12}$     ⑥  $\frac{7}{8}$

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

②  $\frac{2}{3}$     ③  $\frac{5}{9}$     ④  $\frac{1}{6}$

■ ステップ26の復習

①  $\frac{5}{8}$     ②  $\frac{5}{9}$     ③  $\frac{5}{6}$     ④  $\frac{2}{9}$

1 ①  $\frac{6}{9} + \frac{4}{9} = \frac{10}{9} = 1\frac{1}{9}$

②  $1\frac{1}{6} \left(\frac{7}{6}\right)$     ③  $1\frac{1}{8} \left(\frac{9}{8}\right)$

④  $1\frac{1}{4} \left(\frac{5}{4}\right)$

2 ①  $1\frac{2}{9} \left(\frac{11}{9}\right)$     ②  $1\frac{1}{2} \left(\frac{3}{2}\right)$

③  $1\frac{4}{9} \left(\frac{13}{9}\right)$     ④  $1\frac{3}{8} \left(\frac{11}{8}\right)$

⑤  $1\frac{1}{4} \left(\frac{5}{4}\right)$     ⑥  $1\frac{1}{12} \left(\frac{13}{12}\right)$

⑦  $1\frac{1}{10} \left(\frac{11}{10}\right)$     ⑧  $1\frac{1}{16} \left(\frac{17}{16}\right)$

⑨  $1\frac{5}{18} \left(\frac{23}{18}\right)$     ⑩  $1\frac{1}{3} \left(\frac{4}{3}\right)$

■ ステップ27の復習

①  $1\frac{1}{8} \left(\frac{9}{8}\right)$     ②  $1\frac{1}{6} \left(\frac{7}{6}\right)$

③  $1\frac{1}{8} \left(\frac{9}{8}\right)$     ④  $1\frac{1}{4} \left(\frac{5}{4}\right)$

1 ① 24, 30, 36, 42, 48, 54

② 24, 32, 40, 48, 56

③ 24, 48

④ 24

2 ① 6    ② 15    ③ 30    ④ 40    ⑤ 30

⑥ 60

3 ① 48    ② 120    ③ 96    ④ 120

⑤ 240

■ ステップ28の復習

① 120    ② 120

1 ①  $1\frac{10}{10} + \frac{5}{10} + \frac{2}{10} = \frac{17}{10}$

②  $1\frac{15}{15} + \frac{8}{15}$

2 ①  $1\frac{14}{14} + \frac{9}{14}$     ②  $1\frac{21}{21} + \frac{13}{21}$

③  $1\frac{35}{35} + \frac{29}{35}$     ④  $1\frac{33}{33} + \frac{25}{33}$

⑤  $1\frac{30}{30} + \frac{17}{30}$     ⑥  $1\frac{63}{63} + \frac{34}{63}$

⑦  $1\frac{26}{26} + \frac{21}{26}$     ⑧  $1\frac{42}{42} + \frac{31}{42}$

■ ステップ29の復習

①  $1\frac{15}{15} + \frac{11}{15}$     ②  $1\frac{35}{35} + \frac{17}{35}$

1 ①  $1\frac{12}{12} + \frac{3}{12} + \frac{2}{12} = \frac{17}{12}$

②  $1\frac{20}{20} + \frac{11}{20}$

2 ①  $1\frac{40}{40} + \frac{17}{40}$     ②  $1\frac{24}{24} + \frac{11}{24}$

③  $1\frac{36}{36} + \frac{7}{36}$     ④  $1\frac{24}{24} + \frac{13}{24}$

⑤  $1\frac{56}{56} + \frac{19}{56}$     ⑥  $1\frac{30}{30} + \frac{19}{30}$

⑦  $1\frac{24}{24} + \frac{23}{24}$     ⑧  $1\frac{45}{45} + \frac{28}{45}$

■ ステップ30の復習

①  $1\frac{24}{24} + \frac{7}{24}$     ②  $1\frac{12}{12} + \frac{5}{12}$

1 ①  $1\frac{40}{40} + \frac{5}{40} + \frac{2}{40} = \frac{47}{40}$

②  $1\frac{36}{36} + \frac{5}{36}$

2 ①  $1\frac{48}{48} + \frac{29}{48}$     ②  $1\frac{36}{36} + \frac{31}{36}$

③  $1\frac{40}{40} + \frac{11}{40}$     ④  $1\frac{60}{60} + \frac{37}{60}$

⑤  $1\frac{75}{75} + \frac{49}{75}$     ⑥  $1\frac{80}{80} + \frac{19}{80}$

⑦  $1\frac{48}{48} + \frac{31}{48}$     ⑧  $1\frac{42}{42} + \frac{25}{42}$

■ ステップ31の復習

①  $1\frac{36}{36} + \frac{17}{36}$     ②  $1\frac{48}{48} + \frac{35}{48}$

1 ①  $\frac{3}{10}$     ②  $\frac{4}{15}$     ③  $\frac{3}{10}$

2 ①  $\frac{1}{2}$     ②  $\frac{8}{21}$     ③  $\frac{4}{5}$     ④  $\frac{7}{15}$

⑤  $\frac{2}{3}$     ⑥  $\frac{3}{4}$     ⑦  $\frac{1}{3}$     ⑧  $\frac{23}{30}$

⑨  $\frac{14}{15}$     ⑩  $\frac{5}{6}$

■ ステップ32の復習

①  $\frac{5}{6}$     ②  $\frac{7}{8}$     ③  $\frac{5}{6}$     ④  $\frac{11}{21}$

1 ①  $1\frac{15}{20} + \frac{6}{20} = \frac{21}{20} = 1\frac{1}{20}$

②  $1\frac{1}{6}$     ③  $1\frac{7}{20}$     ④  $1\frac{5}{12}$

2 ①  $1\frac{19}{30}$     ②  $1\frac{7}{15}$     ③  $1\frac{5}{24}$

④  $1\frac{5}{24}$     ⑤  $1\frac{7}{18}$     ⑥  $1\frac{1}{6}$

⑦  $1\frac{11}{15}$     ⑧  $1\frac{7}{48}$

■ ステップ33の復習

①  $1\frac{1}{14}$     ②  $1\frac{1}{15}$     ③  $1\frac{5}{21}$

1 ①  $1\frac{5}{15} + 1\frac{3}{15} = 2\frac{8}{15}$

②  $3\frac{7}{12}$     ③  $3\frac{13}{16}$     ④  $3\frac{7}{24}$

2 ①  $4\frac{1}{12}$     ②  $4\frac{1}{6}$     ③  $5\frac{11}{36}$

④  $3\frac{1}{6}$     ⑤  $2\frac{7}{15}$     ⑥  $3\frac{7}{12}$

⑦  $6\frac{1}{24}$     ⑧  $4\frac{5}{18}$

**ステップ35**

(P.78・79)

■ ステップ34の復習

①  $3\frac{11}{15}$     ②  $5\frac{1}{18}$

1 ①  $4\frac{2}{3}$     ②  $1\frac{1}{2}$     ③  $4\frac{1}{4}$

④  $2\frac{1}{2}$

2 ①  $3\frac{2}{3}$     ②  $4\frac{5}{6}$     ③  $3\frac{7}{15}$

④  $3\frac{4}{5}$     ⑤  $4\frac{1}{15}$     ⑥  $6\frac{1}{4}$

⑦  $3\frac{1}{10}$     ⑧  $4\frac{1}{8}$

**ステップ36**

(P.80・81)

■ ステップ25~27の復習

①  $\frac{3}{8}$     ②  $\frac{7}{10}$     ③  $\frac{7}{9}$     ④  $\frac{5}{8}$

1 ①  $\frac{2}{4} - \frac{1}{4} = \frac{1}{4}$     ②  $\frac{1}{6}$

③  $\frac{1}{10}$     ④  $\frac{1}{12}$

2 ①  $\frac{5}{9}$     ②  $\frac{1}{8}$     ③  $\frac{3}{10}$     ④  $\frac{3}{10}$

⑤  $\frac{1}{6}$     ⑥  $\frac{1}{3}$     ⑦  $\frac{1}{4}$     ⑧  $\frac{1}{3}$

⑨  $\frac{2}{9}$

**ステップ37**

(P.82・83)

■ ステップ36の復習

①  $\frac{3}{10}$     ②  $\frac{1}{6}$     ③  $\frac{2}{9}$     ④  $\frac{2}{5}$

1 ①  $\frac{15}{15}$     ②  $\frac{20}{20}$     ③  $\frac{1}{20}$

③  $\frac{12}{12}$     ④  $\frac{24}{24}$     ⑤  $\frac{11}{24}$

2 ①  $\frac{7}{12}$     ②  $\frac{1}{24}$     ③  $\frac{11}{18}$     ④  $\frac{8}{15}$

⑤  $\frac{5}{24}$     ⑥  $\frac{1}{36}$     ⑦  $\frac{19}{33}$     ⑧  $\frac{15}{28}$

⑨  $\frac{3}{4}$     ⑩  $\frac{13}{30}$

**ステップ38**

(P.84・85)

■ ステップ37の復習

①  $\frac{12}{12}$     ②  $\frac{24}{24}$     ③  $\frac{1}{24}$

1 ①  $\frac{5}{8}$     ②  $\frac{7}{8}$     ③  $\frac{7}{8}$     ④  $\frac{5}{6}$

2 ①  $\frac{14}{15}$     ②  $\frac{1}{2}$     ③  $\frac{11}{12}$     ④  $\frac{13}{15}$

⑤  $\frac{5}{18}$     ⑥  $\frac{23}{30}$     ⑦  $\frac{5}{12}$     ⑧  $\frac{23}{24}$

⑨  $\frac{5}{8}$     ⑩  $\frac{2}{5}$

**ステップ39**

(P.86・87)

■ ステップ38の復習

①  $\frac{11}{12}$     ②  $\frac{7}{24}$     ③  $\frac{5}{12}$     ④  $\frac{5}{8}$

1 ①  $1\frac{1}{2} - \frac{1}{6} = 1\frac{3}{6} - \frac{1}{6} = 1\frac{2}{6} = 1\frac{1}{3}$

②  $1\frac{3}{10}$     ③  $1\frac{1}{6}$     ④  $1\frac{1}{4}$

2 ①  $2\frac{1}{12}$     ②  $2\frac{1}{4}$     ③  $1\frac{1}{10}$

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

⑦  $1\frac{5}{24}$     ⑧  $2\frac{3}{40}$     ⑨  $3\frac{5}{42}$

**ステップ40**

(P.88・89)

■ ステップ39の復習

①  $3\frac{3}{10}$     ②  $1\frac{1}{6}$     ③  $1\frac{1}{12}$

④  $3\frac{1}{24}$

1 ①  $\frac{11}{12}$     ②  $\frac{16}{21}$     ③  $1\frac{11}{12}$

④  $1\frac{5}{6}$

2 ①  $1\frac{7}{12}$     ②  $1\frac{5}{18}$     ③  $2\frac{14}{15}$

④  $\frac{11}{20}$     ⑤  $\frac{19}{24}$     ⑥  $2\frac{13}{14}$

⑦  $1\frac{4}{15}$     ⑧  $\frac{13}{15}$     ⑨  $\frac{11}{14}$

**ステップ41**

(P.90・91)

■ ステップ40の復習

①  $1\frac{5}{9}$     ②  $\frac{5}{6}$

1 ①  $\frac{6}{12} + \frac{4}{12} + \frac{3}{12} = \frac{13}{12} = 1\frac{1}{12}$

②  $\frac{3}{6} + \frac{2}{6} + \frac{1}{6} = \frac{6}{6} = 1$

③  $\frac{21}{42} + \frac{14}{42} + \frac{18}{42} = \frac{53}{42} = 1\frac{11}{42}$

2 ①  $\frac{21}{24} - \frac{12}{24} - \frac{8}{24} = \frac{1}{24}$

②  $\frac{18}{24} - \frac{4}{24} - \frac{9}{24} = \frac{5}{24}$

③  $\frac{30}{36} - \frac{8}{36} - \frac{9}{36} = \frac{13}{36}$

④  $\frac{36}{42} - \frac{14}{42} - \frac{21}{42} = \frac{1}{42}$

3 ①  $\frac{6}{12} + \frac{4}{12} - \frac{3}{12} = \frac{7}{12}$

②  $\frac{4}{12} + \frac{9}{12} - \frac{10}{12} = \frac{3}{12} = \frac{1}{4}$

③  $\frac{20}{24} - \frac{12}{24} + \frac{9}{24} = \frac{17}{24}$

④  $\frac{21}{24} - \frac{16}{24} + \frac{4}{24} = \frac{9}{24} = \frac{3}{8}$

**チェックテスト**

(P.92・93)

ステップ25~27の復習

①  $\frac{5}{8}$     ②  $\frac{5}{6}$     ③  $\frac{1}{2}$     ④  $1\frac{1}{12} \left( \frac{13}{12} \right)$

ステップ28~31の復習

①  $\frac{24}{24}$     ②  $\frac{40}{40}$     ③  $\frac{17}{40}$

ステップ 32~35 の復習

①  $1\frac{1}{12}\left(\frac{13}{12}\right)$     ②  $1\frac{1}{10}\left(\frac{11}{10}\right)$   
 ③  $3\frac{5}{6}$     ④  $3\frac{1}{2}$

ステップ 36~38 の復習

①  $\frac{1}{8}$     ②  $\frac{3}{10}$     ③  $\frac{1}{15}$     ④  $\frac{5}{6}$

ステップ 39~41 の復習

①  $2\frac{1}{12}$     ②  $2\frac{1}{2}$     ③  $1\frac{2}{3}$     ④  $1\frac{7}{8}$   
 ⑤  $\frac{10}{20} + \frac{5}{20} + \frac{8}{20} = \frac{23}{20} = 1\frac{3}{20}$   
 ⑥  $\frac{20}{60} + \frac{15}{60} - \frac{12}{60} = \frac{23}{60}$

入試問題にちょうせん!

$$\frac{64}{64} - \frac{32}{64} + \frac{16}{64} - \frac{8}{64} + \frac{4}{64}$$

$$- \frac{2}{64} + \frac{1}{64} = \frac{43}{64}$$

### ステップ 42

(P.94・95)

■ ステップ 41 の復習

$$\frac{6}{12} + \frac{8}{12} - \frac{3}{12} = \frac{11}{12}$$

1 ①  $\frac{2}{3} \times \frac{4}{7} = \frac{2 \times 4}{3 \times 7} = \frac{8}{21}$   
 ②  $\frac{3}{10}$     ③  $\frac{3}{20}$     ④  $\frac{5}{24}$     ⑤  $\frac{5}{21}$   
 ⑥  $\frac{2}{21}$   
 2 ①  $\frac{2}{15}$     ②  $\frac{9}{28}$     ③  $\frac{6}{35}$     ④  $\frac{9}{40}$   
 ⑤  $\frac{24}{49}$     ⑥  $\frac{12}{35}$     ⑦  $\frac{15}{32}$     ⑧  $\frac{35}{72}$

### ステップ 43

(P.96・97)

■ ステップ 42 の復習

①  $\frac{8}{21}$     ②  $\frac{9}{40}$     ③  $\frac{12}{35}$     ④  $\frac{3}{35}$

1 ①  $\frac{5}{8}$     ②  $\frac{1}{6}$     ③  $\frac{3}{10}$     ④  $\frac{1}{10}$

2 ①  $\frac{3}{5}$     ②  $\frac{4}{7}$     ③  $\frac{4}{7}$     ④  $\frac{10}{21}$

⑤  $\frac{3}{14}$     ⑥  $\frac{3}{20}$     ⑦  $\frac{3}{10}$     ⑧  $\frac{4}{7}$

⑨  $\frac{4}{25}$

### ステップ 44

(P.98・99)

■ ステップ 43 の復習

①  $\frac{2}{5}$     ②  $\frac{3}{14}$     ③  $\frac{1}{27}$     ④  $\frac{5}{21}$

1 ①  $\frac{2 \times 3}{3 \times 4} = \frac{1}{2}$

②  $\frac{1}{3}$     ③  $\frac{3}{4}$     ④  $\frac{1}{4}$

2 ①  $\frac{1}{8}$     ②  $\frac{1}{4}$     ③  $\frac{2}{9}$     ④  $\frac{3}{8}$

⑤  $\frac{5}{24}$     ⑥  $\frac{5}{12}$     ⑦  $1\frac{3}{5}\left(\frac{8}{5}\right)$

⑧  $2\frac{2}{5}\left(\frac{12}{5}\right)$     ⑨  $\frac{25}{36}$

### ステップ 45

(P.100・101)

■ ステップ 44 の復習

①  $\frac{3}{8}$     ②  $\frac{5}{27}$     ③  $\frac{5}{36}$     ④  $\frac{5}{12}$

1 ①  $\frac{2}{5} \times 2 = \frac{2}{5} \times \frac{2}{1} = \frac{4}{5}$

②  $\frac{6}{7}$     ③  $1\frac{1}{8}\left(\frac{9}{8}\right)$     ④  $\frac{8}{9}$

⑤  $1\frac{2}{3}\left(\frac{5}{3}\right)$

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

④  $\frac{3}{7}$     ⑤  $5\frac{1}{4}\left(\frac{21}{4}\right)$     ⑥  $\frac{4}{7}$

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

⑨  $\frac{10}{13}$     ⑩  $1\frac{1}{11}\left(\frac{12}{11}\right)$

⑪  $1\frac{2}{3}\left(\frac{5}{3}\right)$     ⑫  $4\frac{1}{5}\left(\frac{21}{5}\right)$

### ステップ 46

(P.102・103)

■ ステップ 45 の復習

①  $\frac{8}{9}$     ②  $2\frac{5}{11}\left(\frac{27}{11}\right)$     ③  $\frac{3}{7}$

④  $2\frac{1}{2}\left(\frac{5}{2}\right)$

1 ①  $\frac{5}{6}$     ②  $\frac{14}{15}$

③  $1\frac{13}{20}\left(\frac{33}{20}\right)$     ④  $1\frac{23}{42}\left(\frac{65}{42}\right)$

2 ①  $2\frac{5}{8}\left(\frac{21}{8}\right)$     ②  $5\frac{5}{6}\left(\frac{35}{6}\right)$

③  $3\frac{1}{30}\left(\frac{91}{30}\right)$     ④  $2\frac{7}{24}\left(\frac{55}{24}\right)$

⑤  $2\frac{2}{15}\left(\frac{32}{15}\right)$     ⑥  $4\frac{9}{10}\left(\frac{49}{10}\right)$

⑦  $3\frac{17}{21}\left(\frac{80}{21}\right)$     ⑧  $9\frac{1}{7}\left(\frac{64}{7}\right)$

⑨  $5\frac{1}{4}\left(\frac{21}{4}\right)$

### ステップ 47

(P.104・105)

■ ステップ 46 の復習

①  $2\frac{7}{24}\left(\frac{55}{24}\right)$     ②  $1\frac{17}{28}\left(\frac{45}{28}\right)$

③  $3\frac{1}{30}\left(\frac{91}{30}\right)$     ④  $6\frac{3}{7}\left(\frac{45}{7}\right)$

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

③  $\frac{11}{15}$     ④  $1\frac{4}{5}\left(\frac{9}{5}\right)$

2 ①  $3\frac{1}{9}\left(\frac{28}{9}\right)$     ②  $7\frac{1}{2}\left(\frac{15}{2}\right)$

③  $3\frac{1}{7}\left(\frac{22}{7}\right)$     ④  $1\frac{5}{6}\left(\frac{11}{6}\right)$

⑤  $3\frac{5}{9}\left(\frac{32}{9}\right)$     ⑥  $6\frac{3}{5}\left(\frac{33}{5}\right)$

⑦  $2\frac{2}{5}\left(\frac{12}{5}\right)$     ⑧  $5\frac{1}{2}\left(\frac{11}{2}\right)$

⑨  $10\frac{1}{2}\left(\frac{21}{2}\right)$

### ステップ 48

(P.106・107)

■ ステップ 47 の復習

①  $4\frac{1}{5}\left(\frac{21}{5}\right)$     ②  $3\frac{2}{3}\left(\frac{11}{3}\right)$

1 ①  $\frac{3 \times 9}{2 \times 4} \times \frac{2}{3} = \frac{3}{2} = 1\frac{1}{2}$

②  $2\frac{1}{2}\left(\frac{5}{2}\right)$     ③ 1    ④ 2

2 ①  $\frac{15}{12} \times \frac{3}{5} = 3$     ② 2    ③  $4\frac{1}{2}\left(\frac{9}{2}\right)$

④  $6\frac{2}{3}\left(\frac{20}{3}\right)$     ⑤ 4    ⑥ 5

⑦  $4\frac{1}{6}\left(\frac{25}{6}\right)$     ⑧  $\frac{1}{4}$     ⑨  $1\frac{1}{2}\left(\frac{3}{2}\right)$

ステップ42の復習

- ①  $\frac{8}{21}$  ②  $\frac{3}{20}$  ③  $\frac{6}{35}$  ④  $\frac{9}{40}$

ステップ43の復習

- ①  $\frac{5}{21}$  ②  $\frac{1}{9}$  ③  $\frac{3}{7}$  ④  $\frac{3}{10}$

ステップ44の復習

- ①  $\frac{1}{3}$  ②  $\frac{2}{9}$

ステップ45の復習

- ①  $1\frac{7}{8}(\frac{15}{8})$  ②  $1\frac{1}{9}(\frac{10}{9})$   
③  $\frac{8}{13}$  ④  $1\frac{1}{2}(\frac{3}{2})$

ステップ46の復習

- ①  $1\frac{1}{20}(\frac{21}{20})$  ②  $5\frac{5}{6}(\frac{35}{6})$

ステップ47・48の復習

- ①  $1\frac{2}{3}(\frac{5}{3})$  ②  $1\frac{1}{3}(\frac{4}{3})$   
③  $6\frac{2}{3}(\frac{20}{3})$  ④  $4\frac{1}{6}(\frac{25}{6})$

ステップ49

■ステップ48の復習

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

- 1 ①  $\frac{1}{7 \times 2} = \frac{1}{14}$  ②  $\frac{1}{12}$   
③  $\frac{2}{9}$  ④  $\frac{6}{35}$

- 2 ①  $\frac{3}{50}$  ②  $\frac{2}{7}$  ③  $\frac{3}{8}$  ④  $\frac{2}{7}$

- ⑤  $\frac{3}{16}$  ⑥  $\frac{2}{15}$  ⑦  $\frac{3}{20}$   
⑧  $1\frac{1}{3}(\frac{4}{3})$  ⑨  $\frac{3}{80}$

ステップ50

■ステップ49の復習

- ①  $\frac{3}{14}$  ②  $\frac{1}{15}$  ③  $\frac{3}{14}$  ④  $\frac{5}{18}$

- 1 ①  $\frac{4}{5} \times \frac{7}{3} = \frac{28}{15} = 1\frac{13}{15}$   
②  $\frac{15}{28}$  ③  $\frac{27}{35}$  ④  $1\frac{17}{18}(\frac{35}{18})$

- 2 ①  $2\frac{3}{16}(\frac{35}{16})$  ②  $1\frac{1}{9}(\frac{10}{9})$   
③  $\frac{35}{36}$  ④  $1\frac{1}{35}(\frac{36}{35})$   
⑤  $1\frac{3}{4}(\frac{7}{4})$  ⑥  $1\frac{2}{5}(\frac{7}{5})$   
⑦  $1\frac{1}{5}(\frac{6}{5})$  ⑧  $\frac{7}{10}$   
⑨  $1\frac{1}{14}(\frac{15}{14})$

ステップ51

■ステップ50の復習

- ①  $\frac{18}{35}$  ②  $1\frac{17}{18}(\frac{35}{18})$   
③  $1\frac{1}{4}(\frac{5}{4})$  ④  $1\frac{1}{6}(\frac{7}{6})$

- 1 ①  $\frac{8}{24} \times \frac{7}{4} = \frac{2}{3}$  ②  $1\frac{1}{3}(\frac{4}{3})$   
③  $\frac{2}{3}$  ④  $1\frac{1}{2}(\frac{3}{2})$

- 2 ① 6 ② 2 ③ 4

- ④  $2\frac{2}{3}(\frac{8}{3})$  ⑤  $2\frac{1}{4}(\frac{9}{4})$  ⑥  $\frac{2}{3}$   
⑦  $\frac{3}{4}$  ⑧  $\frac{5}{12}$  ⑨  $\frac{5}{12}$

ステップ52

■ステップ51の復習

- ①  $1\frac{1}{5}(\frac{6}{5})$  ②  $\frac{2}{3}$   
③  $\frac{5}{8}$  ④  $3\frac{1}{3}(\frac{10}{3})$

- 1 ①  $\frac{3}{4}$  ②  $1\frac{1}{3}(\frac{4}{3})$  ③  $\frac{9}{28}$   
④  $3\frac{1}{9}(\frac{28}{9})$

- 2 ①  $\frac{7}{9}$  ②  $1\frac{2}{7}(\frac{9}{7})$   
③  $\frac{11}{30}$  ④  $2\frac{8}{11}(\frac{30}{11})$   
⑤  $\frac{3}{8}$  ⑥  $2\frac{2}{3}(\frac{8}{3})$   
⑦  $\frac{2}{3}$  ⑧  $1\frac{1}{2}(\frac{3}{2})$   
⑨  $\frac{13}{35}$

ステップ53

■ステップ52の復習

- ①  $\frac{1}{2}$  ② 2 ③  $\frac{2}{7}$   
④  $2\frac{2}{11}(\frac{24}{11})$

- 1 ①  $2\frac{5}{8}(\frac{21}{8})$  ②  $2\frac{1}{10}(\frac{21}{10})$

- ③  $1\frac{17}{28}(\frac{45}{28})$  ④  $2\frac{7}{16}(\frac{39}{16})$

- 2 ①  $\frac{9}{20}$  ②  $4\frac{2}{3}(\frac{14}{3})$   
③  $5\frac{1}{4}(\frac{21}{4})$  ④  $2\frac{4}{7}(\frac{18}{7})$   
⑤  $\frac{4}{7}$  ⑥  $\frac{8}{13}$  ⑦  $2\frac{1}{10}(\frac{21}{10})$   
⑧  $1\frac{1}{2}(\frac{3}{2})$  ⑨  $\frac{1}{6}$

ステップ54

■ステップ53の復習

- ①  $3\frac{6}{7}(\frac{27}{7})$  ②  $5\frac{1}{4}(\frac{21}{4})$   
③  $\frac{7}{12}$

- 1 ①  $\frac{39}{56}$  ②  $1\frac{17}{35}(\frac{52}{35})$   
③  $2\frac{14}{15}(\frac{44}{15})$  ④  $1\frac{19}{30}(\frac{49}{30})$

- 2 ①  $1\frac{3}{4}(\frac{7}{4})$  ②  $\frac{4}{5}$  ③  $1\frac{1}{7}(\frac{8}{7})$   
④  $2\frac{2}{15}(\frac{32}{15})$  ⑤  $2\frac{2}{5}(\frac{12}{5})$   
⑥  $\frac{2}{3}$  ⑦  $\frac{11}{14}$  ⑧  $1\frac{1}{20}(\frac{21}{20})$   
⑨  $\frac{6}{7}$

ステップ55

■ステップ54の復習

- ①  $\frac{1}{10}$  ②  $\frac{3}{10}$   
③  $\frac{7}{100}$  ④  $\frac{41}{100}$



1 ①  $\frac{9}{20}$  ②  $\frac{1}{20}$  ③  $\frac{11}{12}$  ④  $\frac{1}{20}$

2 ①  $\frac{2}{5}$  ②  $1\frac{1}{5}\left(\frac{6}{5}\right)$  ③  $\frac{2}{35}$   
 ④ 1 ⑤  $\frac{1}{8}$  ⑥  $\frac{1}{2}$  ⑦ 2  
 ⑧ 25 ⑨  $\frac{1}{3}$

ステップ56

(P.124・125)

■ ステップ55の復習

①  $\frac{4}{5}$  ②  $1\frac{1}{2}\left(\frac{3}{2}\right)$

1 ①  $\frac{1}{12}$  ②  $\frac{1}{2}$  ③  $1\frac{2}{3}\left(\frac{5}{3}\right)$   
 ④ 1

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

3 ①  $\left(\frac{3}{6} + \frac{2}{6}\right) \times \frac{1}{5} = \frac{5}{6} \times \frac{1}{5} = \frac{1}{6}$   
 ②  $\left(\frac{3}{6} - \frac{2}{6}\right) \div \frac{1}{12} = \frac{1}{6} \times \frac{12^2}{1} = 2$   
 ③  $1 \div \left(\frac{4}{12} + \frac{7}{12}\right) = 1 \div \frac{11}{12}$   
 $= 1 \times \frac{12}{11} = \frac{12}{11} = 1\frac{1}{11}$   
 ④  $\frac{1}{2} + \frac{1}{3} \div \frac{1}{12} = \frac{1}{2} + \frac{1}{3} \times \frac{12^4}{1}$   
 $= \frac{1}{2} + 4 = 4\frac{1}{2}$

チェックテスト

(P.126・127)

ステップ49の復習

①  $\frac{4}{15}$  ②  $\frac{1}{6}$  ③  $\frac{1}{12}$  ④  $\frac{3}{49}$

ステップ50の復習

①  $\frac{18}{35}$  ②  $\frac{3}{8}$   
 ③  $3\frac{1}{3}\left(\frac{10}{3}\right)$  ④  $1\frac{13}{32}\left(\frac{45}{32}\right)$

ステップ51の復習

①  $1\frac{1}{5}\left(\frac{6}{5}\right)$  ②  $\frac{2}{3}$

ステップ52の復習

①  $\frac{5}{6}$  ②  $1\frac{1}{5}\left(\frac{6}{5}\right)$  ③  $\frac{9}{35}$   
 ④  $3\frac{8}{9}\left(\frac{35}{9}\right)$

ステップ53~55の復習

①  $2\frac{14}{15}\left(\frac{44}{15}\right)$  ②  $5\frac{4}{9}\left(\frac{49}{9}\right)$   
 ③  $1\frac{17}{28}\left(\frac{45}{28}\right)$  ④ 3  
 ⑤  $8\frac{3}{4}\left(\frac{35}{4}\right)$

ステップ56の復習

$\frac{1}{4}$

入試問題にちょうせん!

$\left(\frac{11}{3} - \frac{7}{13} \times \frac{5}{3}\right) \div \left(\frac{15}{2} \div \frac{13}{3} \times \frac{3}{5}\right)$   
 $= \left(\frac{11}{3} - \frac{35}{39}\right) \div \left(\frac{15}{2} \times \frac{3}{13} \times \frac{3}{5}\right)$   
 $= \frac{4108}{339} \times \frac{26^2}{27} = \frac{8}{3} = 2\frac{2}{3}$