

計算に ぐんぐんと 強くなる

- ◆ 答え合わせは、1つずついいねに見ていきましょう。
- ◆ まちがえた問題は、どこでまちがえたのか^{たし}確かめてからやりなおしましょう。

◆ 小数のかけ算 (P.4)

1 整数×小数の暗算

- ① ①2.8 ②5.4 ③1.2 ④4
 ② ①0.24 ②0.28 ③0.54 ④0.2
 ③ ①12 ②48 ③1.4 ④3
 ④ ①4.8 ②0.28 ③15 ④1.8 ⑤3.2
 ⑥0.27 ⑦1 ⑧3

◆ 小数のかけ算 (P.5)

2 整数× $\frac{1}{10}$ の位の小数

- ① ①86.4 ②83.3 ③103.6
 ④41.6 ⑤365.4 ⑥450.5
 ② ①196.8 ②305.5
 ③ ①式 $16 \times 1.2 = 19.2$
 ②答え 19.2kg

◆ 小数のかけ算 (P.6)

3 整数× $\frac{1}{10}$ の位の小数 (積の最後が0)

- ① ①42 ②128 ③17 ④324 ⑤1274
 ⑥680
 ② ①317 ②210
 ③ ①式 $250 \times 2.4 = 600$
 ②答え 600円

◆ 小数のかけ算 (P.7)

4 整数× $\frac{1}{100}$ の位の小数

- ① ①17.86 ②34.02 ③49.45
 ④64.68 ⑤86.5 ⑥748.8
 ② ①310.7 ②102.96
 ③ ①式 $280 \times 0.75 = 210$
 ②答え 210g

◆ 小数のかけ算 (P.8・9)

5 $\frac{1}{10}$ の位の小数× $\frac{1}{10}$ の位の小数

- ① ①18.72 ②30.38 ③10.08
 ② ①2.68 ②4.08 ③5.04 ④4.65
 ⑤3.32 ⑥6.03
 ③ ①33.81 ②14.21 ③103.95
 ④ ①3.87 ②29.52 ③40.66 ④16.66
 ⑤3.04 ⑥40.02
 ⑤ ①65.36 ②6.44 ③13.05 ④5.12
 ⑥ ①式 $14.5 \times 2.5 = 36.25$
 ②答え 36.25 m^2

◆ 小数のかけ算 (P.10・11)

6 $\frac{1}{100}$ の位の小数× $\frac{1}{10}$ の位の小数

- ① ①5.886 ②10.944 ③13.167
 ④17.504 ⑤13.892 ⑥6.608
 ② ①1.968 ②2.058 ③7.254 ④2.646
 ⑤8.075 ⑥1.608
 ③ ①23.646 ②5.106 ③2.695
 ④25.704 ⑤2.768 ⑥2.668
 ④ ①7.912 ②4.005 ③14.742
 ④17.052
 ⑤ ①式 $1.06 \times 1.8 = 1.908$
 ②答え 1.908kg

◆ 小数のかけ算 (P.12・13)

7 $\frac{1}{10}$ の位の小数× $\frac{1}{100}$ の位の小数

- ① ①28.036 ②22.032 ③9.682
 ② ①1.786 ②2.028 ③6.364 ④2.688
 ⑤4.905 ⑥3.624
 ③ ①30.875 ②6.804 ③33.048
 ④ ①3.286 ②13.608 ③40.506
 ④8.645 ⑤2.115 ⑥5.072

- 5 ①24.986 ②5.112 ③30.305
④3.108

- 6 **式** $3.8 \times 2.54 = 9.652$
答え 9.652kg

◆小数のかけ算 (P.14・15)

8 $\frac{1}{100}$ の位の小数 \times $\frac{1}{100}$ の位の小数

- 1 ①9.3548 ②29.8528 ③18.0072
④25.2016 ⑤9.1848 ⑥30.6927
2 ①1.6244 ②3.0194 ③4.8018
④1.4842 ⑤5.2026 ⑥1.9076
3 ①36.6184 ②1.8352 ③40.4208
④3.2652 ⑤21.7005 ⑥1.9552
⑦17.3568 ⑧4.5917 ⑨28.0905
4 ①2.4072 ②5.2705 ③25.0512
④21.6918

◆小数のかけ算 (P.16・17)

9 積の最後が0になる計算

- 1 ①28.7 ②6.6 ③21
2 ①2.74 ②5.2 ③4.14
3 ①36.72 ②44.77 ③2.6
4 ①30.095 ②3.924 ③1.51
5 ①19.2 ②24.888 ③1.584 ④3.5
⑤104.03 ⑥20.3
6 ①2.844 ②24 ③34.39 ④9.01
7 **式** $4.5 \times 1.6 = 7.2$
答え 7.2m

◆小数のかけ算 (P.18・19)

10 積が1より小さくなる計算

- 1 ①0.45 ②0.54 ③0.54
2 ①0.672 ②0.744 ③0.098
3 ①0.756 ②0.68 ③0.252
4 ①0.0828 ②0.1708 ③0.081
5 ①0.00684 ②0.287 ③0.2304
6 ①0.654 ②0.6 ③0.24
④0.2812 ⑤0.3

◆小数のかけ算 (P.20・21)

11 まとめの練習

- 1 ①0.56 ②24 ③2.7 ④4
2 ①60.8 ②203 ③48.76 ④987
⑤150.5 ⑥102.92
3 ①56.55 ②4.0608 ③0.747 ④11.47
⑤16.9 ⑥0.3196
4 ①15.092 ②0.0481 ③1.0458 ④9
⑤0.776 ⑥2.3414
5 ①0.1972 ②136 ③34.398 ④5.67
6 **式** $0.8 \times 0.65 = 0.52$
答え 0.52L

◆小数のわり算 (P.22・23)

12 整数 \div 小数の暗算

- 1 ①6 ②5 ③5 ④5
2 ①30 ②40 ③20 ④40 ⑤90 ⑥50
⑦30 ⑧20
3 ①200 ②200 ③300 ④800 ⑤600
⑥700 ⑦400 ⑧400
4 ①20 ②20 ③200 ④4 ⑤70
⑥20 ⑦500 ⑧50 ⑨30 ⑩800
⑪40 ⑫400
5 **式** $360 \div 1.2 = 300$
答え 300円

◆小数のわり算 (P.24・25)

13 $\frac{1}{10}$ の位の小数 \div $\frac{1}{10}$ の位の小数

- 1 ①6 ②3 ③8 ④6 ⑤28 ⑥36
2 ①3 ②6 ③9 ④24 ⑤35 ⑥38
3 ①8 ②3 ③6 ④49 ⑤13 ⑥35
4 ①96 ②18 ③16 ④8
5 **式** $43.2 \div 1.8 = 24$
答え 24ふくろ

◆小数のわり算 (P.26・27)

14 $\frac{1}{100}$ の位の小数 \div $\frac{1}{10}$ の位の小数

- 1 ①3.4 ②3.2 ③9.6 ④4.7 ⑤12.3
⑥15.8
2 ①1.4 ②3.5 ③25.6
3 ①12.4 ②4.3 ③1.6 ④14.8 ⑤2.3
⑥10.7

4 ①24.6 ②20.8

5 (式) $8.84 \div 2.6 = 3.4$

(答え) 3.4 kg

◆小数のわり算 (P.28・29)
15 $\frac{1}{100}$ の位の小数 \div $\frac{1}{100}$ の位の小数

① ①3 ②4 ③8 ④6 ⑤17 ⑥16

② ①3 ②4 ③4 ④6 ⑤36 ⑥28

③ ①5 ②8 ③7 ④24 ⑤28 ⑥32

④ ①4 ②9 ③16 ④18

5 (式) $4.35 \div 1.45 = 3$

(答え) 3倍

◆小数のわり算 (P.30・31)
16 商が1より小さくなる計算

① ①0.6 ②0.6 ③0.58 ④0.52 ⑤0.8

⑥0.7

② ①0.2 ②0.9 ③0.06 ④0.74 ⑤0.3

⑥0.4

③ ①0.7 ②0.8 ③0.76 ④0.13 ⑤0.45

⑥0.9

④ ①0.48 ②0.6 ③0.4 ④0.8

5 (式) $4.32 \div 5.4 = 0.8$

(答え) 0.8倍

◆小数のわり算 (P.32)
17 $\frac{1}{10}$ の位の小数 \div $\frac{1}{100}$ の位の小数

① ①4 ②5 ③6 ④6 ⑤60 ⑥250

② ①8 ②48 ③35 ④12

◆小数のわり算 (P.33)
18 整数 \div $\frac{1}{10}$ の位の小数

① ①8 ②62 ③25 ④5 ⑤40 ⑥120

② ①8 ②35

③ (式) $15 \div 0.6 = 25$

(答え) 25ふくろ

◆小数のわり算 (P.34)
19 整数 \div $\frac{1}{100}$ の位の小数

① ①8 ②24 ③50 ④150 ⑤4 ⑥72

② ①12 ②150 ③16 ④8

◆小数のわり算 (P.35)

20 わり進む小数のわり算①

① ①1.6 ②12.5 ③0.25 ④1.5 ⑤0.85

⑥0.75

② ①2.5 ②0.25

◆小数のわり算 (P.36)

21 わり進む小数のわり算②

① ①2.5 ②6.4 ③2.5 ④1.25 ⑤14.5

⑥0.24

② ①4.5 ②2.5

◆小数のわり算 (P.37)

22 わり進む小数のわり算 (整数 \div 小数)

① ①3.6 ②2.5 ③3.2 ④33.6 ⑤3.75

⑥5.6

② (式) $5 \div 0.8 = 6.25$

(答え) 6.25倍

◆小数のわり算 (P.38・39)

23 まとめの練習

① ①50 ②30

② ①14 ②3.4 ③20.9 ④9 ⑤45

⑥0.28

③ ①5 ②15 ③8

④ ①2.5 ②1.8 ③2.5

⑤ ①8 ②0.16 ③3.2 ④24 ⑤4.8

⑥0.65

⑥ ①15 ②7.5

⑦ (式) $52.2 \div 34.8 = 1.5$

(答え) 1.5倍

◆小数のわり算 (P.40・41)

24 あまりの出る小数のわり算 (一の位まで)

① ①4あまり0.3 ②5あまり0.3

③8あまり0.5 ④6あまり0.04

⑤28あまり0.07 ⑥34あまり0.22

② ①6あまり0.6 ②4あまり1.6

③9あまり0.7 ④17あまり0.4

⑤23あまり1.5 ⑥18あまり0.72

③ ①6あまり0.4 ②5あまり0.5

③9あまり0.04 ④15あまり0.9

⑤27あまり0.12 ⑥12あまり1.2

④①8あまり0.2 ②16あまり1

③24あまり0.04 ④58あまり0.1

⑤式 $8.5 \div 0.6 = 14$ あまり0.1

⑥答え 14本切りとれて、0.1m残る。

◆小数のわり算 (P.42・43)
25 あまりの出る小数のわり算 ($\frac{1}{10}$ の位まで)

①①0.8あまり0.04 ②0.6あまり0.07
③0.9あまり0.01 ④7.5あまり0.09
⑤8.2あまり0.034 ⑥10.6あまり0.016

②①0.9あまり0.22 ②6.2あまり0.04
③3.4あまり0.16 ④0.4あまり0.68
⑤6.2あまり0.06 ⑥3.6あまり0.56

③①0.7あまり0.09 ②0.6あまり0.68
③8.7あまり0.08 ④4.8あまり0.09
⑤6.2あまり0.1 ⑥3.5あまり0.01
⑦2.4あまり0.28 ⑧9.3あまり0.002
⑨8.6あまり0.06

④①3.4あまり0.54 ②4.3あまり0.23
③0.8あまり0.84 ④9.2あまり0.002

◆小数のわり算 (P.44・45)
26 商をがい数で求める ($\frac{1}{10}$ の位まで)

①①0.8 ②0.5 ③0.7 ④7.9 ⑤2.8
⑥2.1

②①4.6 ②0.5 ③6.1

③①1.5 ②1.9 ③0.7 ④0.9 ⑤7.0
⑥1.8

④①0.5 ②9.0 * $\frac{1}{10}$ の位まで書こう。

⑤式 $6.7 \div 4.5 = 1.48\cdots$

⑥答え 約1.5倍

◆小数のわり算 (P.46・47)
27 商をがい数で求める (上から2けた)

①①0.73 ②0.71 ③1.2

②①4.2 ②3.3 ③0.59

③①2.3 ②17 ③0.62 ④0.51 ⑤20
⑥2.0 *上から2けた目の0まで書こう。

④①0.85 ②4.1

◆小数のわり算 (P.48・49)
28 まとめの練習

①①8あまり0.02 ②13あまり0.4

③6あまり0.1 ④9あまり1.7

⑤17あまり0.29 ⑥35あまり0.1

②①4.4あまり0.04 ②5.2あまり0.008

③1.6あまり0.16 ④0.8あまり0.02

⑤0.7あまり0.36 ⑥9.6あまり0.12

③式 $30 \div 2.4 = 12$ あまり1.2

⑥答え 12こできて、1.2L残る。

④①1.3 ②12 ③0.62 ④0.91 ⑤0.60

⑥4.4

◆小数のかけ算とわり算 (P.50・51)
29 小数のかけ算とわり算のまとめ

①①1.3728 ②92.5 ③3.808 ④110.45

⑤100.94 ⑥0.50132

②①0.27 ②3.5 ③4.8 ④6 ⑤0.65

⑥7.5

③①20.1 ②7.5 ③10.08 ④3.6

④①3.4あまり0.08 ②0.8あまり0.24

⑤式 $9.5 \div 3.8 = 2.5$

⑥答え 2.5m

◆3つの小数の計算 (P.52)
30 ●×▲×■

①①43.2 ②3.78 ③0.414 ④8.84

⑤11.28 ⑥9.12

②式 $1.2 \times 2.5 \times 1.6 = 4.8$

⑥答え 4.8m^3

◆3つの小数の計算 (P.53)
31 ●×▲÷■

①①3.5 ②3 ③1.95 ④2.88 ⑤3.75

⑥3.84

②式 $3.2 \times 4.5 \div 3.6 = 4$

⑥答え 4cm

◆3つの小数の計算 (P.54)
32 ●÷▲×■

①①4.76 ②3.9 ③8.55 ④18.72

⑤8.4 ⑥3.64 ⑦3.78 ⑧5.2

⑨31.2 ⑩10.88

◆3つの小数の計算 (P.55)
33 ●÷▲÷■

- ①①10 ②5 ③1.6 ④1.25 ⑤1.25
⑥1.5 ⑦3.2 ⑧1.6 ⑨1.5 ⑩1.36

◆3つの小数の計算 (P.56)
34 ●×(▲+■), ●×(▲-■)

- ①①5.6 ②7.28 ③1.512 ④1.89
⑤①3.25 ⑥10.08 ⑦1.43 ⑧1.526

◆3つの小数の計算 (P.57)
35 (●+▲)×■, (●-▲)×■

- ①①4.76 ②10.85 ③16.48 ④2.298
⑤①3.9 ⑥2.34 ⑦2.87 ⑧0.3612

◆3つの小数の計算 (P.58)
36 ●÷(▲+■), ●÷(▲-■)

- ①①2.8 ②5.4 ③6 ④3.5
⑤①3.2 ⑥4.6 ⑦9 ⑧2.5

◆3つの小数の計算 (P.59)
37 (●+▲)÷■, (●-▲)÷■

- ①①4.2 ②1.5 ③4 ④6
⑤①2.5 ⑥1.8 ⑦8 ⑧1.5

◆3つの小数の計算 (P.60・61)
38 まとめの練習

- ①①3.24 ②2.1 ③11.76 ④5
⑤①10.08 ②1.14 ③10.35 ④5.52
⑥①2.6 ②5 ③3.7 ④2.3
⑦①13.33 ②2.5 ③0.96 ④14.4
⑧56.3 ⑨68
⑩①5.2 ②6.85 ③2.639 ④2.6
⑤8.37 ⑥4.8 ⑦6.02

◆小数の計算 (P.62)
39 ×, +のまじった小数の計算

- ①①4.02 ②4.38 ③1.79 ④7.19
⑤①4.3 ②6.25 ③11.8 ④10

◆小数の計算 (P.63)
40 ×, -のまじった小数の計算

- ①①2.9 ②1.06 ③0.18 ④0.09
⑤①0.29 ②0.1 ③1.65 ④0.66

◆小数の計算 (P.64)
41 ÷, +のまじった小数の計算

- ①①6.2 ②2 ③5.03 ④5.4
⑤①5.1 ②2.4 ③5.09 ④2.03

◆小数の計算 (P.65)
42 ÷, -のまじった小数の計算

- ①①1.6 ②1.1 ③1.81 ④2.2
⑤①0.7 ②1.84 ③0.97 ④0.47

◆小数の計算 (P.66)
43 ●×▲+●×■

- ①①8.4 ②16 ③17 ④12
⑤①17.2 ②8 ③59 ④19

◆小数の計算 (P.67)
44 ●×▲-●×■

- ①①3.6 ②24 ③0.7 ④0.72
⑤①6.7 ②10 ③3.4 ④0.23

◆小数の計算 (P.68・69)
45 まとめの練習

- ①①5.52 ②0.73 ③2.3 ④0.41
⑤①5.2 ②0.8 ③5.2 ④0.77
⑥①5.7 ②28 ③14 ④63
⑦①7 ②0.19 ③7.8 ④1.2
⑧①0.54 ②2.2 ③6.14 ④0.9
⑨1.6 ⑩5.64 ⑪7 ⑫10 ⑬38

◆小数の計算 (P.70・71)
46 3つ以上の小数の計算のまとめ

- ①①5.4 ②12.6 ③1.12 ④5
⑤①2.4 ②8.5 ③0.9 ④1.4
⑥①0.3 ②4 ③8 ④0.78
⑦①9.88 ②6.72 ③0.35 ④2.45
⑧1.8 ⑨1.8 ⑩7.35 ⑪3.4

◆分数 (P.72)
47 基本の練習(約分)

- ① ① $\frac{1 \times 2}{3 \times 2}$ ② $\frac{2 \times 4}{3 \times 4}$ ③ $\frac{3 \div 3}{6 \div 3}$
 ④ $\frac{15 \div 5}{20 \div 5}$
 ② ① $\frac{1}{2}$ ② $\frac{1}{3}$ ③ $\frac{1}{3}$ ④ $\frac{1}{3}$ ⑤ $\frac{2}{5}$
 ⑥ $\frac{2}{3}$ ⑦ $\frac{2}{3}$ ⑧ $\frac{2}{5}$ ⑨ $\frac{2}{3}$ ⑩ $\frac{1}{4}$
 ⑪ $\frac{1}{2}$ ⑫ $\frac{3}{8}$ ⑬ $1\frac{1}{2}$ ⑭ $1\frac{3}{4}$ ⑮ $2\frac{3}{4}$
 ⑯ $2\frac{3}{4}$

◆分数 (P.73)
48 基本の練習(通分)

- ① ① $\frac{3}{4} = \frac{6}{8} = \frac{9}{12}$ ② $\frac{2}{3} = \frac{6}{9} = \frac{8}{12}$
 ③ $\frac{3}{12} = \frac{1}{4} = \frac{2}{8}$ ④ $\frac{10}{15} = \frac{2}{3} = \frac{8}{12}$
 ② ① $(\frac{2}{6}, \frac{3}{6})$ ② $(\frac{3}{12}, \frac{8}{12})$ ③ $(\frac{8}{20}, \frac{15}{20})$
 ④ $(\frac{2}{8}, \frac{3}{8})$ ⑤ $(\frac{6}{15}, \frac{7}{15})$ ⑥ $(\frac{3}{24}, \frac{4}{24})$
 ⑦ $(\frac{15}{18}, \frac{8}{18})$ ⑧ $(\frac{10}{24}, \frac{9}{24})$
 ⑨ $(\frac{3}{6}, \frac{4}{6}, \frac{5}{6})$ ⑩ $(\frac{15}{20}, \frac{16}{20}, \frac{14}{20})$

◆分数のたし算 (P.74・75)
49 真分数+真分数=真分数(約分なし)

- ① ① $\frac{5}{6}$ ② $\frac{3}{4}$ ③ $\frac{7}{12}$ ④ $\frac{4}{9}$ ⑤ $\frac{11}{30}$ ⑥ $\frac{3}{10}$
 ② ① $\frac{11}{14}$ ② $\frac{11}{15}$ ③ $\frac{17}{24}$ ④ $\frac{11}{12}$ ⑤ $\frac{17}{36}$ ⑥ $\frac{13}{24}$
 ③ ① $\frac{14}{15}$ ② $\frac{5}{12}$ ③ $\frac{7}{18}$ ④ $\frac{7}{16}$ ⑤ $\frac{19}{24}$ ⑥ $\frac{15}{28}$
 ⑦ $\frac{13}{20}$ ⑧ $\frac{13}{18}$ ⑨ $\frac{11}{12}$ ⑩ $\frac{23}{24}$ ⑪ $\frac{7}{20}$ ⑫ $\frac{23}{36}$
 ④ ① 式 $\frac{1}{5} + \frac{1}{3} = \frac{8}{15}$
 ② 答え $\frac{8}{15}L$

◆分数のたし算 (P.76・77)
50 真分数+真分数=真分数(約分あり)

- ① ① $\frac{2}{3}$ ② $\frac{1}{2}$ ③ $\frac{1}{3}$ ④ $\frac{1}{4}$
 ② ① $\frac{4}{5}$ ② $\frac{4}{5}$ ③ $\frac{5}{6}$ ④ $\frac{1}{2}$ ⑤ $\frac{7}{15}$ ⑥ $\frac{1}{2}$
 ③ ① $\frac{1}{3}$ ② $\frac{3}{4}$ ③ $\frac{3}{5}$ ④ $\frac{4}{5}$ ⑤ $\frac{3}{4}$ ⑥ $\frac{14}{15}$
 ⑦ $\frac{2}{5}$ ⑧ $\frac{5}{12}$ ⑨ $\frac{5}{6}$ ⑩ $\frac{3}{4}$ ⑪ $\frac{4}{9}$ ⑫ $\frac{3}{10}$
 ④ ① 式 $\frac{1}{5} + \frac{7}{15} = \frac{2}{3}$
 ② 答え $\frac{2}{3}kg$

◆分数のたし算 (P.78・79)
51 真分数+真分数(くり上がる, 約分なし)

- ① ① $1\frac{1}{6}(\frac{7}{6})$ ② $1\frac{1}{4}(\frac{5}{4})$ ③ $1\frac{1}{10}(\frac{11}{10})$
 ④ $1\frac{3}{10}(\frac{13}{10})$ ⑤ $1\frac{2}{15}(\frac{17}{15})$ ⑥ $1\frac{1}{6}(\frac{7}{6})$
 ⑦ $1\frac{5}{24}(\frac{29}{24})$ ⑧ $1\frac{1}{9}(\frac{10}{9})$ ⑨ $1\frac{1}{20}(\frac{21}{20})$
 ⑩ $1\frac{1}{12}(\frac{13}{12})$ ⑪ $1\frac{1}{30}(\frac{31}{30})$ ⑫ $1\frac{3}{40}(\frac{43}{40})$
 ② ① $1\frac{5}{12}(\frac{17}{12})$ ② $1\frac{7}{30}(\frac{37}{30})$ ③ $1\frac{3}{8}(\frac{11}{8})$
 ④ $1\frac{1}{12}(\frac{13}{12})$ ⑤ $1\frac{7}{20}(\frac{27}{20})$ ⑥ $1\frac{5}{24}(\frac{29}{24})$
 ⑦ $1\frac{4}{21}(\frac{25}{21})$ ⑧ $1\frac{1}{18}(\frac{19}{18})$ ⑨ $1\frac{1}{8}(\frac{9}{8})$
 ⑩ $1\frac{1}{18}(\frac{19}{18})$ ⑪ $1\frac{1}{20}(\frac{21}{20})$ ⑫ $1\frac{4}{15}(\frac{19}{15})$
 ③ ① 式 $\frac{3}{4} + \frac{2}{5} = \frac{23}{20} = 1\frac{3}{20}$
 ② 答え $1\frac{3}{20}m^2(\frac{23}{20}m^2)$

◆分数のたし算 (P.80・81)
52 真分数+真分数(くり上がる, 約分あり)

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

- 2① $1\frac{1}{2}\left(\frac{3}{2}\right)$ ② $1\frac{1}{4}\left(\frac{5}{4}\right)$ ③ $1\frac{1}{6}\left(\frac{7}{6}\right)$
 ④ $1\frac{1}{3}\left(\frac{4}{3}\right)$ ⑤ $1\frac{1}{2}\left(\frac{3}{2}\right)$ ⑥ $1\frac{1}{3}\left(\frac{4}{3}\right)$
 3① $1\frac{2}{15}\left(\frac{17}{15}\right)$ ② $1\frac{2}{5}\left(\frac{7}{5}\right)$ ③ $1\frac{2}{3}\left(\frac{5}{3}\right)$
 ④ $1\frac{1}{4}\left(\frac{5}{4}\right)$ ⑤ $1\frac{1}{12}\left(\frac{13}{12}\right)$ ⑥ $1\frac{1}{4}\left(\frac{5}{4}\right)$
 ⑦ $1\frac{1}{6}\left(\frac{7}{6}\right)$ ⑧ $1\frac{1}{12}\left(\frac{13}{12}\right)$ ⑨ $1\frac{1}{10}\left(\frac{11}{10}\right)$
 ⑩ $1\frac{1}{2}\left(\frac{3}{2}\right)$ ⑪ $1\frac{1}{2}\left(\frac{3}{2}\right)$ ⑫ $1\frac{1}{9}\left(\frac{10}{9}\right)$
 4 **式** $\frac{4}{5} + \frac{7}{10} = \frac{3}{2} = 1\frac{1}{2}$
答え $1\frac{1}{2}L\left(\frac{3}{2}L\right)$

◆分数のたし算 (P.82)
53 仮分数のたし算(約分なし)

- 1① $1\frac{11}{12}\left(\frac{23}{12}\right)$ ② $1\frac{7}{18}\left(\frac{25}{18}\right)$ ③ $2\frac{1}{10}\left(\frac{21}{10}\right)$
 ④ $1\frac{11}{14}\left(\frac{25}{14}\right)$
 2① $2\frac{5}{12}\left(\frac{29}{12}\right)$ ② $2\frac{7}{24}\left(\frac{55}{24}\right)$ ③ $2\frac{3}{14}\left(\frac{31}{14}\right)$
 ④ $2\frac{7}{20}\left(\frac{47}{20}\right)$
 3 **式** $\frac{7}{4} + \frac{5}{6} = \frac{31}{12} = 2\frac{7}{12}$
答え $2\frac{7}{12}m\left(\frac{31}{12}m\right)$

◆分数のたし算 (P.83)
54 仮分数のたし算(約分あり)

- 1① $1\frac{1}{3}\left(\frac{4}{3}\right)$ ② $2\frac{1}{15}\left(\frac{31}{15}\right)$ ③ $1\frac{1}{2}\left(\frac{3}{2}\right)$
 ④ $1\frac{7}{20}\left(\frac{27}{20}\right)$
 2① $4\frac{2}{3}\left(\frac{14}{3}\right)$ ② $2\frac{1}{2}\left(\frac{5}{2}\right)$ ③ $2\frac{1}{2}\left(\frac{5}{2}\right)$
 ④ $2\frac{3}{4}\left(\frac{11}{4}\right)$
 3 **式** $\frac{5}{2} + \frac{3}{10} = \frac{14}{5} = 2\frac{4}{5}$
答え $2\frac{4}{5}kg\left(\frac{14}{5}kg\right)$

◆分数のたし算 (P.84・85)
55 帯分数+真分数(くり上がりなし, 約分なし)

- 1① $1\frac{5}{6}\left(\frac{11}{6}\right)$ $*\frac{3}{2} + \frac{1}{3} = \frac{9}{6} + \frac{2}{6} = \frac{11}{6}$ と
 考えて計算してもいいよ。
 ② $1\frac{9}{10}\left(\frac{19}{10}\right)$ ③ $1\frac{7}{12}\left(\frac{19}{12}\right)$ ④ $1\frac{17}{24}\left(\frac{41}{24}\right)$
 ⑤ $2\frac{5}{12}\left(\frac{29}{12}\right)$ ⑥ $2\frac{11}{12}\left(\frac{35}{12}\right)$
 2① $1\frac{3}{4}\left(\frac{7}{4}\right)$ ② $1\frac{7}{8}\left(\frac{15}{8}\right)$ ③ $1\frac{4}{9}\left(\frac{13}{9}\right)$
 ④ $1\frac{11}{12}\left(\frac{23}{12}\right)$ ⑤ $2\frac{9}{20}\left(\frac{49}{20}\right)$ ⑥ $2\frac{7}{8}\left(\frac{23}{8}\right)$
 3① $1\frac{11}{12}\left(\frac{23}{12}\right)$ ② $2\frac{7}{24}\left(\frac{55}{24}\right)$ ③ $1\frac{7}{15}\left(\frac{22}{15}\right)$
 ④ $1\frac{5}{9}\left(\frac{14}{9}\right)$ ⑤ $2\frac{11}{24}\left(\frac{59}{24}\right)$ ⑥ $1\frac{9}{16}\left(\frac{25}{16}\right)$
 ⑦ $1\frac{5}{8}\left(\frac{13}{8}\right)$ ⑧ $3\frac{11}{18}\left(\frac{65}{18}\right)$ ⑨ $2\frac{17}{18}\left(\frac{53}{18}\right)$
 ⑩ $1\frac{7}{10}\left(\frac{17}{10}\right)$ ⑪ $1\frac{19}{36}\left(\frac{55}{36}\right)$ ⑫ $3\frac{13}{15}\left(\frac{58}{15}\right)$
 4 **式** $1\frac{1}{5} + \frac{7}{10} = 1\frac{9}{10}\left(\frac{19}{10}\right)$
答え $1\frac{9}{10}m\left(\frac{19}{10}m\right)$

◆分数のたし算 (P.86・87)
56 帯分数+真分数(くり上がりなし, 約分あり)

- 1① $1\frac{2}{3}\left(\frac{5}{3}\right)$ ② $2\frac{4}{5}\left(\frac{14}{5}\right)$ ③ $1\frac{1}{3}\left(\frac{4}{3}\right)$
 ④ $2\frac{3}{5}\left(\frac{13}{5}\right)$ ⑤ $1\frac{1}{4}\left(\frac{5}{4}\right)$ ⑥ $2\frac{1}{2}\left(\frac{5}{2}\right)$
 2① $1\frac{1}{2}\left(\frac{3}{2}\right)$ ② $2\frac{4}{5}\left(\frac{14}{5}\right)$ ③ $1\frac{1}{4}\left(\frac{5}{4}\right)$
 ④ $2\frac{4}{9}\left(\frac{22}{9}\right)$
 3① $1\frac{3}{4}\left(\frac{7}{4}\right)$ ② $1\frac{4}{15}\left(\frac{19}{15}\right)$ ③ $2\frac{8}{9}\left(\frac{26}{9}\right)$
 ④ $1\frac{5}{12}\left(\frac{17}{12}\right)$ ⑤ $1\frac{1}{2}\left(\frac{3}{2}\right)$ ⑥ $2\frac{3}{10}\left(\frac{23}{10}\right)$
 ⑦ $1\frac{5}{6}\left(\frac{11}{6}\right)$ ⑧ $2\frac{4}{5}\left(\frac{14}{5}\right)$ ⑨ $3\frac{5}{6}\left(\frac{23}{6}\right)$
 ⑩ $1\frac{5}{6}\left(\frac{11}{6}\right)$ ⑪ $3\frac{5}{6}\left(\frac{23}{6}\right)$ ⑫ $2\frac{2}{3}\left(\frac{8}{3}\right)$
 4 **式** $1\frac{1}{4} + 2\frac{7}{12} = 2\frac{5}{6}\left(\frac{17}{6}\right)$

【答え】 $2\frac{5}{6}\text{kg}$ ($\frac{17}{6}\text{kg}$)

◆分数のたし算 (P.88・89)
57 帯分数+真分数(くり上がる, 約分なし)

- ① ① $2\frac{1}{4}$ ($\frac{9}{4}$) ② $3\frac{1}{8}$ ($\frac{25}{8}$) ③ $2\frac{1}{6}$ ($\frac{13}{6}$)
 ④ $3\frac{5}{24}$ ($\frac{77}{24}$) ⑤ $2\frac{1}{20}$ ($\frac{41}{20}$) ⑥ $3\frac{1}{12}$ ($\frac{37}{12}$)
- ② ① $2\frac{1}{10}$ ($\frac{21}{10}$) ② $3\frac{3}{8}$ ($\frac{27}{8}$) ③ $2\frac{1}{30}$ ($\frac{61}{30}$)
 ④ $3\frac{2}{15}$ ($\frac{47}{15}$) ⑤ $2\frac{1}{24}$ ($\frac{49}{24}$) ⑥ $3\frac{1}{12}$ ($\frac{37}{12}$)
- ③ ① $2\frac{3}{10}$ ($\frac{23}{10}$) ② $3\frac{1}{24}$ ($\frac{73}{24}$) ③ $4\frac{1}{18}$ ($\frac{73}{18}$)
 ④ $2\frac{3}{20}$ ($\frac{43}{20}$) ⑤ $2\frac{1}{24}$ ($\frac{49}{24}$) ⑥ $3\frac{1}{14}$ ($\frac{43}{14}$)
- ⑦ $2\frac{4}{15}$ ($\frac{34}{15}$) ⑧ $2\frac{5}{24}$ ($\frac{53}{24}$) ⑨ $3\frac{5}{12}$ ($\frac{41}{12}$)
- ⑩ $2\frac{5}{18}$ ($\frac{41}{18}$) ⑪ $4\frac{1}{12}$ ($\frac{49}{12}$) ⑫ $3\frac{11}{36}$ ($\frac{119}{36}$)
- ④ 式 $1\frac{7}{8} + \frac{3}{16} = 2\frac{1}{16}$ ($\frac{33}{16}$)

【答え】 $2\frac{1}{16}\text{kg}$ ($\frac{33}{16}\text{kg}$)

◆分数のたし算 (P.90・91)
58 帯分数+真分数(くり上がる, 約分あり)

- ① ① $2\frac{1}{3}$ ($\frac{7}{3}$) ② $3\frac{2}{5}$ ($\frac{17}{5}$) ③ $2\frac{1}{4}$ ($\frac{9}{4}$)
 ④ $3\frac{1}{6}$ ($\frac{19}{6}$) ⑤ $2\frac{1}{6}$ ($\frac{13}{6}$) ⑥ $3\frac{1}{3}$ ($\frac{10}{3}$)
- ② ① $2\frac{1}{5}$ ($\frac{11}{5}$) ② $3\frac{1}{9}$ ($\frac{28}{9}$) ③ $2\frac{1}{4}$ ($\frac{9}{4}$)
 ④ $3\frac{1}{3}$ ($\frac{10}{3}$)
- ③ ① $2\frac{2}{3}$ ($\frac{8}{3}$) ② $3\frac{2}{5}$ ($\frac{17}{5}$) ③ $2\frac{1}{10}$ ($\frac{21}{10}$)
 ④ $2\frac{1}{12}$ ($\frac{25}{12}$) ⑤ $4\frac{1}{2}$ ($\frac{9}{2}$) ⑥ $2\frac{2}{5}$ ($\frac{12}{5}$)
- ⑦ $3\frac{1}{4}$ ($\frac{13}{4}$) ⑧ $2\frac{1}{2}$ ($\frac{5}{2}$) ⑨ $3\frac{1}{2}$ ($\frac{7}{2}$)
- ⑩ $4\frac{1}{6}$ ($\frac{25}{6}$) ⑪ $4\frac{1}{2}$ ($\frac{9}{2}$) ⑫ $2\frac{1}{2}$ ($\frac{5}{2}$)
- ④ 式 $1\frac{5}{12} + \frac{5}{6} = 2\frac{1}{4}$ ($\frac{9}{4}$)

【答え】 $2\frac{1}{4}\text{km}$ ($\frac{9}{4}\text{km}$)

◆分数のたし算 (P.92)
59 帯分数+帯分数(くり上がりなし, 約分なし)

- ① ① $2\frac{7}{12}$ ($\frac{31}{12}$) ② $4\frac{13}{15}$ ($\frac{73}{15}$) ③ $3\frac{5}{12}$ ($\frac{41}{12}$)
 ④ $3\frac{9}{10}$ ($\frac{39}{10}$) ⑤ $3\frac{17}{35}$ ($\frac{122}{35}$) ⑥ $4\frac{11}{18}$ ($\frac{83}{18}$)
- ⑦ $4\frac{35}{36}$ ($\frac{179}{36}$) ⑧ $4\frac{5}{12}$ ($\frac{53}{12}$)
- ② 式 $1\frac{3}{4} + 2\frac{1}{5} = 3\frac{19}{20}$ ($\frac{79}{20}$)

【答え】 $3\frac{19}{20}\text{m}$ ($\frac{79}{20}\text{m}$)

◆分数のたし算 (P.93)
60 帯分数+帯分数(くり上がりなし, 約分あり)

- ① ① $2\frac{1}{3}$ ($\frac{7}{3}$) ② $4\frac{2}{3}$ ($\frac{14}{3}$) ③ $4\frac{5}{6}$ ($\frac{29}{6}$)
 ④ $3\frac{14}{15}$ ($\frac{59}{15}$) ⑤ $3\frac{3}{4}$ ($\frac{15}{4}$) ⑥ $3\frac{3}{5}$ ($\frac{18}{5}$)
- ⑦ $4\frac{5}{6}$ ($\frac{29}{6}$) ⑧ $5\frac{3}{5}$ ($\frac{28}{5}$)
- ② 式 $2\frac{1}{6} + 1\frac{3}{10} = 3\frac{7}{15}$ ($\frac{52}{15}$)

【答え】 $3\frac{7}{15}\text{dL}$ ($\frac{52}{15}\text{dL}$)

◆分数のたし算 (P.94・95)
61 帯分数+帯分数(くり上がる, 約分なし)

- ① ① $3\frac{1}{6}$ ($\frac{19}{6}$) ② $3\frac{1}{10}$ ($\frac{31}{10}$) ③ $3\frac{2}{15}$ ($\frac{47}{15}$)
 ④ $3\frac{1}{6}$ ($\frac{19}{6}$) ⑤ $3\frac{1}{20}$ ($\frac{61}{20}$) ⑥ $3\frac{3}{28}$ ($\frac{87}{28}$)
- ② ① $4\frac{1}{4}$ ($\frac{17}{4}$) ② $4\frac{1}{9}$ ($\frac{37}{9}$) ③ $4\frac{1}{12}$ ($\frac{49}{12}$)
 ④ $4\frac{3}{40}$ ($\frac{163}{40}$) ⑤ $4\frac{1}{18}$ ($\frac{73}{18}$) ⑥ $4\frac{1}{24}$ ($\frac{97}{24}$)
- ③ ① $3\frac{1}{10}$ ($\frac{31}{10}$) ② $4\frac{5}{12}$ ($\frac{53}{12}$) ③ $4\frac{5}{18}$ ($\frac{77}{18}$)
 ④ $3\frac{7}{30}$ ($\frac{97}{30}$) ⑤ $4\frac{3}{8}$ ($\frac{35}{8}$) ⑥ $4\frac{7}{24}$ ($\frac{103}{24}$)
- ⑦ $3\frac{5}{12}$ ($\frac{41}{12}$) ⑧ $5\frac{4}{35}$ ($\frac{179}{35}$) ⑨ $3\frac{1}{24}$ ($\frac{73}{24}$)

$$\textcircled{10} 4 \frac{7}{36} \left(\frac{151}{36} \right) \quad \textcircled{11} 4 \frac{5}{36} \left(\frac{149}{36} \right)$$

$$\textcircled{12} 5 \frac{5}{24} \left(\frac{125}{24} \right)$$

$$\textcircled{4} \text{式} \quad 2 \frac{4}{9} + 1 \frac{2}{3} = 4 \frac{1}{9} \left(\frac{37}{9} \right)$$

$$\text{答え} \quad 4 \frac{1}{9} \text{kg} \left(\frac{37}{9} \text{kg} \right)$$

◆分数のたし算 (P.96・97)
62 帯分数+帯分数(くり上がる, 約分あり)

$$\textcircled{1} \textcircled{1} 3 \frac{1}{5} \left(\frac{16}{5} \right) \quad \textcircled{2} 3 \frac{1}{7} \left(\frac{22}{7} \right) \quad \textcircled{3} 3 \frac{1}{4} \left(\frac{13}{4} \right)$$

$$\textcircled{4} 3 \frac{1}{10} \left(\frac{31}{10} \right)$$

$$\textcircled{2} \textcircled{1} 4 \frac{1}{4} \left(\frac{17}{4} \right) \quad \textcircled{2} 4 \frac{1}{6} \left(\frac{25}{6} \right) \quad \textcircled{3} 4 \frac{1}{4} \left(\frac{17}{4} \right)$$

$$\textcircled{4} 4 \frac{1}{9} \left(\frac{37}{9} \right) \quad \textcircled{5} 4 \frac{1}{12} \left(\frac{49}{12} \right) \quad \textcircled{6} 4 \frac{1}{6} \left(\frac{25}{6} \right)$$

$$\textcircled{3} \textcircled{1} 4 \frac{1}{2} \left(\frac{9}{2} \right) \quad \textcircled{2} 3 \frac{1}{3} \left(\frac{10}{3} \right) \quad \textcircled{3} 4 \frac{1}{2} \left(\frac{9}{2} \right)$$

$$\textcircled{4} 4 \frac{1}{4} \left(\frac{17}{4} \right) \quad \textcircled{5} 6 \frac{2}{5} \left(\frac{32}{5} \right) \quad \textcircled{6} 3 \frac{1}{6} \left(\frac{19}{6} \right)$$

$$\textcircled{7} 5 \frac{1}{12} \left(\frac{61}{12} \right) \quad \textcircled{8} 4 \frac{1}{3} \left(\frac{13}{3} \right) \quad \textcircled{9} 5 \frac{1}{2} \left(\frac{11}{2} \right)$$

$$\textcircled{10} 5 \frac{1}{3} \left(\frac{16}{3} \right) \quad \textcircled{11} 4 \frac{1}{10} \left(\frac{41}{10} \right) \quad \textcircled{12} 3 \frac{1}{6} \left(\frac{19}{6} \right)$$

$$\textcircled{4} \text{式} \quad 2 \frac{1}{3} + 2 \frac{11}{12} = 5 \frac{1}{4} \left(\frac{21}{4} \right)$$

$$\text{答え} \quad 5 \frac{1}{4} \text{m}^2 \left(\frac{21}{4} \text{m}^2 \right)$$

◆分数のたし算 (P.98・99)
63 まとめの練習

$$\textcircled{1} \textcircled{1} \frac{7}{9} \quad \textcircled{2} 1 \frac{1}{20} \left(\frac{21}{20} \right) \quad \textcircled{3} \frac{7}{12}$$

$$\textcircled{4} 1 \frac{13}{30} \left(\frac{43}{30} \right)$$

$$\textcircled{2} \textcircled{1} 1 \frac{9}{14} \left(\frac{23}{14} \right) \quad \textcircled{2} 2 \frac{11}{20} \left(\frac{51}{20} \right) \quad \textcircled{3} 2 \frac{1}{4} \left(\frac{9}{4} \right)$$

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

$$\textcircled{3} \textcircled{1} 2 \frac{1}{2} \left(\frac{5}{2} \right) \quad \textcircled{2} 4 \frac{1}{12} \left(\frac{49}{12} \right) \quad \textcircled{3} 4 \frac{1}{6} \left(\frac{25}{6} \right)$$

$$\textcircled{4} 4 \frac{13}{24} \left(\frac{109}{24} \right)$$

$$\textcircled{4} \textcircled{1} 1 \frac{1}{3} \left(\frac{4}{3} \right) \quad \textcircled{2} 2 \frac{5}{6} \left(\frac{17}{6} \right) \quad \textcircled{3} \frac{1}{4}$$

$$\textcircled{4} 1 \frac{11}{14} \left(\frac{25}{14} \right) \quad \textcircled{5} 4 \frac{3}{10} \left(\frac{43}{10} \right) \quad \textcircled{6} 1 \frac{2}{3} \left(\frac{5}{3} \right)$$

$$\textcircled{7} 1 \frac{1}{12} \left(\frac{13}{12} \right) \quad \textcircled{8} 2 \frac{1}{6} \left(\frac{13}{6} \right) \quad \textcircled{9} 4 \frac{1}{8} \left(\frac{33}{8} \right)$$

$$\textcircled{10} 2 \frac{13}{15} \left(\frac{43}{15} \right) \quad \textcircled{11} 3 \frac{1}{2} \left(\frac{7}{2} \right) \quad \textcircled{12} 4 \frac{7}{24} \left(\frac{103}{24} \right)$$

$$\textcircled{5} \text{式} \quad \frac{1}{6} + \frac{1}{2} = \frac{2}{3}$$

$$\text{答え} \quad \frac{2}{3}$$

◆分数のひき算 (P.100・101)
64 真分数-真分数(約分なし)

$$\textcircled{1} \textcircled{1} \frac{1}{6} \quad \textcircled{2} \frac{1}{4} \quad \textcircled{3} \frac{1}{12} \quad \textcircled{4} \frac{2}{15} \quad \textcircled{5} \frac{1}{20}$$

$$\textcircled{6} \frac{1}{12}$$

$$\textcircled{2} \textcircled{1} \frac{1}{10} \quad \textcircled{2} \frac{1}{6} \quad \textcircled{3} \frac{1}{9} \quad \textcircled{4} \frac{5}{12} \quad \textcircled{5} \frac{1}{16}$$

$$\textcircled{6} \frac{11}{20}$$

$$\textcircled{3} \textcircled{1} \frac{7}{12} \quad \textcircled{2} \frac{1}{6} \quad \textcircled{3} \frac{1}{20} \quad \textcircled{4} \frac{1}{8} \quad \textcircled{5} \frac{7}{30}$$

$$\textcircled{6} \frac{1}{24} \quad \textcircled{7} \frac{3}{14} \quad \textcircled{8} \frac{7}{15} \quad \textcircled{9} \frac{9}{16} \quad \textcircled{10} \frac{1}{8}$$

$$\textcircled{11} \frac{2}{9} \quad \textcircled{12} \frac{11}{24}$$

$$\textcircled{4} \text{式} \quad \frac{3}{4} - \frac{1}{5} = \frac{11}{20}$$

$$\text{答え} \quad \frac{11}{20}$$

◆分数のひき算 (P.102・103)
65 真分数-真分数(約分あり)

$$\textcircled{1} \textcircled{1} \frac{1}{3} \quad \textcircled{2} \frac{1}{4} \quad \textcircled{3} \frac{1}{5} \quad \textcircled{4} \frac{1}{15}$$

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

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

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

$$\textcircled{4} \text{式} \quad \frac{9}{10} - \frac{1}{2} = \frac{2}{5}$$

⑥ 答え $\frac{2}{5}L$

◆分数のひき算 (P.104)
66 仮分数のひき算(約分なし)

① ① $\frac{7}{9}$ ② $\frac{19}{28}$ ③ $\frac{11}{12}$ ④ $\frac{7}{16}$

② ① $\frac{1}{6}$ ② $\frac{3}{8}$ ③ $\frac{5}{18}$ ④ $\frac{11}{35}$

③ ③ 式 $\frac{9}{8} - \frac{5}{6} = \frac{7}{24}$

⑥ 答え $\frac{7}{24}m$

◆分数のひき算 (P.105)
67 仮分数のひき算(約分あり)

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

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

③ ③ 式 $\frac{11}{6} - \frac{4}{3} = \frac{1}{2}$

⑥ 答え $\frac{1}{2}kg$

◆分数のひき算 (P.106・107)
68 帯分数-真分数(くり下がりがなし, 約分なし)

① ① $1\frac{1}{4}(\frac{5}{4})$ ② $1\frac{3}{10}(\frac{13}{10})$ ③ $1\frac{1}{6}(\frac{7}{6})$

④ $1\frac{1}{8}(\frac{9}{8})$ ⑤ $1\frac{1}{30}(\frac{31}{30})$ ⑥ $1\frac{1}{12}(\frac{13}{12})$

② ① $1\frac{1}{8}(\frac{9}{8})$ ② $1\frac{5}{12}(\frac{17}{12})$ ③ $1\frac{1}{16}(\frac{17}{16})$

④ $1\frac{7}{12}(\frac{19}{12})$ ⑤ $2\frac{1}{30}(\frac{61}{30})$ ⑥ $2\frac{7}{10}(\frac{27}{10})$

③ ① $1\frac{3}{8}(\frac{11}{8})$ ② $1\frac{2}{15}(\frac{17}{15})$ ③ $2\frac{1}{10}(\frac{21}{10})$

④ $1\frac{5}{14}(\frac{19}{14})$ ⑤ $1\frac{1}{18}(\frac{19}{18})$ ⑥ $2\frac{1}{16}(\frac{33}{16})$

⑦ $2\frac{1}{6}(\frac{13}{6})$ ⑧ $1\frac{7}{15}(\frac{22}{15})$ ⑨ $3\frac{7}{16}(\frac{55}{16})$

⑩ $2\frac{1}{18}(\frac{37}{18})$ ⑪ $1\frac{1}{15}(\frac{16}{15})$ ⑫ $2\frac{11}{24}(\frac{59}{24})$

④ ④ 式 $1\frac{4}{5} - \frac{3}{4} = 1\frac{1}{20}(\frac{21}{20})$

⑥ 答え $1\frac{1}{20}m(\frac{21}{20}m)$

◆分数のひき算 (P.108・109)
69 帯分数-真分数(くり下がりがなし, 約分あり)

① ① $1\frac{2}{5}(\frac{7}{5})$ ② $1\frac{1}{6}(\frac{7}{6})$ ③ $1\frac{1}{9}(\frac{10}{9})$

④ $1\frac{1}{12}(\frac{13}{12})$

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

④ $1\frac{1}{2}(\frac{3}{2})$ ⑤ $1\frac{1}{10}(\frac{11}{10})$ ⑥ $2\frac{1}{4}(\frac{9}{4})$

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

④ $1\frac{1}{6}(\frac{7}{6})$ ⑤ $3\frac{1}{10}(\frac{31}{10})$ ⑥ $2\frac{1}{4}(\frac{9}{4})$

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

⑩ $3\frac{4}{9}(\frac{31}{9})$ ⑪ $1\frac{2}{15}(\frac{17}{15})$ ⑫ $1\frac{1}{2}(\frac{3}{2})$

④ ④ 式 $2\frac{8}{15} - \frac{1}{3} = 2\frac{1}{5}(\frac{11}{5})$

⑥ 答え $2\frac{1}{5}kg(\frac{11}{5}kg)$

◆分数のひき算 (P.110・111)
70 帯分数-真分数(くり下がる, 約分なし)

① ① $1\frac{5}{6}(\frac{11}{6})$ ② $1\frac{11}{12}(\frac{23}{12})$ ③ $2\frac{19}{24}(\frac{67}{24})$

④ $2\frac{14}{15}(\frac{44}{15})$

② ① $\frac{7}{10}$ ② $\frac{19}{24}$ ③ $\frac{5}{12}$ ④ $\frac{9}{10}$

③ ① $1\frac{3}{4}(\frac{7}{4})$ ② $1\frac{11}{12}(\frac{23}{12})$ ③ $2\frac{7}{8}(\frac{23}{8})$

④ $\frac{5}{6}$ ⑤ $1\frac{7}{24}(\frac{31}{24})$ ⑥ $2\frac{17}{18}(\frac{53}{18})$

⑦ $\frac{15}{16}$ ⑧ $1\frac{3}{10}(\frac{13}{10})$ ⑨ $\frac{35}{36}$

⑩ $1\frac{5}{12}(\frac{17}{12})$

④ ④ 式 $3\frac{1}{10} - \frac{1}{5} = 2\frac{9}{10}(\frac{29}{10})$

⑥ 答え $2\frac{9}{10}kg(\frac{29}{10}kg)$

◆分数のひき算 (P.112・113)
71 帯分数-真分数(くり下がる, 約分あり)

① ① $1\frac{2}{3}(\frac{5}{3})$ ② $1\frac{3}{4}(\frac{7}{4})$ ③ $2\frac{8}{9}(\frac{26}{9})$

④ $2\frac{1}{3}(\frac{7}{3})$

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

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

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

⑧ $\frac{3}{5}$ ⑨ $2\frac{5}{6}(\frac{17}{6})$ ⑩ $1\frac{1}{2}(\frac{3}{2})$

④ 式 $1\frac{5}{18} - \frac{4}{9} = \frac{5}{6}$

答え $\frac{5}{6}$ L

◆分数のひき算 (P.114)
72 帯分数-帯分数(くり下がりがなし, 約分なし)

① ① $1\frac{1}{4}(\frac{5}{4})$ ② $1\frac{2}{9}(\frac{11}{9})$ ③ $\frac{1}{30}$

④ $2\frac{1}{16}(\frac{33}{16})$ ⑤ $\frac{11}{18}$ ⑥ $\frac{3}{10}$

⑦ $1\frac{7}{24}(\frac{31}{24})$ ⑧ $\frac{1}{12}$

② 式 $1\frac{7}{10} - 1\frac{2}{5} = \frac{3}{10}$

答え $\frac{3}{10}$ km

◆分数のひき算 (P.115)
73 帯分数-帯分数(くり下がりがなし, 約分あり)

① ① $2\frac{1}{5}(\frac{11}{5})$ ② $1\frac{11}{15}(\frac{26}{15})$ ③ $1\frac{1}{3}(\frac{4}{3})$

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

⑦ $\frac{1}{5}$ ⑧ $\frac{1}{3}$

② 式 $2\frac{2}{9} - 2\frac{1}{18} = \frac{1}{6}$

答え $\frac{1}{6}$ dL

◆分数のひき算 (P.116・117)
74 帯分数-帯分数(くり下がる, 約分なし)

① ① $1\frac{3}{4}(\frac{7}{4})$ ② $1\frac{5}{6}(\frac{11}{6})$ ③ $2\frac{13}{14}(\frac{41}{14})$

④ $2\frac{14}{15}(\frac{44}{15})$

② ① $\frac{5}{8}$ ② $\frac{19}{20}$ ③ $\frac{7}{18}$ ④ $\frac{14}{15}$

③ ① $1\frac{17}{18}(\frac{35}{18})$ ② $1\frac{3}{4}(\frac{7}{4})$ ③ $\frac{13}{15}$

④ $2\frac{7}{9}(\frac{25}{9})$ ⑤ $1\frac{13}{18}(\frac{31}{18})$ ⑥ $\frac{19}{20}$

⑦ $2\frac{11}{12}(\frac{35}{12})$ ⑧ $\frac{19}{24}$ ⑨ $1\frac{11}{18}(\frac{29}{18})$

⑩ $1\frac{19}{20}(\frac{39}{20})$

④ 式 $4\frac{1}{3} - 1\frac{5}{8} = 2\frac{17}{24}(\frac{65}{24})$

答え $2\frac{17}{24}$ km ($\frac{65}{24}$ km)

◆分数のひき算 (P.118・119)
75 帯分数-帯分数(くり下がる, 約分あり)

① ① $1\frac{5}{6}(\frac{11}{6})$ ② $1\frac{8}{9}(\frac{17}{9})$ ③ $2\frac{1}{2}(\frac{5}{2})$

④ $2\frac{2}{3}(\frac{8}{3})$

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

③ ① $1\frac{7}{9}(\frac{16}{9})$ ② $2\frac{3}{5}(\frac{13}{5})$ ③ $\frac{3}{4}$

④ $1\frac{4}{5}(\frac{9}{5})$ ⑤ $\frac{4}{5}$ ⑥ $2\frac{14}{15}(\frac{44}{15})$

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

⑩ $1\frac{2}{3}(\frac{5}{3})$

④ 式 $3\frac{1}{6} - 1\frac{2}{3} = 1\frac{1}{2}(\frac{3}{2})$

答え $1\frac{1}{2}$ kg ($\frac{3}{2}$ kg)

◆分数のひき算 (P.120・121)
76 まとめの練習

① ① $\frac{7}{18}$ ② $\frac{1}{4}$ ③ $\frac{13}{30}$ ④ $\frac{2}{5}$

2① $1\frac{2}{3}(\frac{5}{3})$ ② $2\frac{7}{9}(\frac{25}{9})$ ③ $\frac{19}{24}$

④ $1\frac{11}{12}(\frac{23}{12})$

3① $2\frac{1}{8}(\frac{17}{8})$ ② $\frac{4}{5}$ ③ $1\frac{2}{3}(\frac{5}{3})$ ④ $\frac{13}{24}$

4① $\frac{17}{18}$ ② $\frac{5}{14}$ ③ $\frac{23}{24}$ ④ $1\frac{17}{30}(\frac{47}{30})$

⑤ $2\frac{13}{28}(\frac{69}{28})$ ⑥ $1\frac{11}{12}(\frac{23}{12})$ ⑦ $\frac{5}{16}$

⑧ $2\frac{4}{5}(\frac{14}{5})$ ⑨ $\frac{3}{8}$ ⑩ $1\frac{1}{6}(\frac{7}{6})$

5 式 $2\frac{1}{3} - \frac{7}{8} = 1\frac{11}{24}(\frac{35}{24})$

答え $1\frac{11}{24}\text{km}(\frac{35}{24}\text{km})$

◆ 分数のたし算とひき算 (P.122・123)
77 分数のたし算とひき算のまとめ

1① $1\frac{1}{12}(\frac{13}{12})$ ② $\frac{17}{30}$ ③ $1\frac{1}{3}(\frac{4}{3})$

④ $2\frac{7}{12}(\frac{31}{12})$ ⑤ $3\frac{1}{3}(\frac{10}{3})$ ⑥ $3\frac{17}{20}(\frac{77}{20})$

2① $\frac{5}{28}$ ② $\frac{1}{18}$ ③ $\frac{11}{12}$ ④ $2\frac{1}{3}(\frac{7}{3})$

⑤ $\frac{3}{4}$ ⑥ $2\frac{5}{24}(\frac{53}{24})$

3① $2\frac{9}{10}(\frac{29}{10})$ ② $\frac{3}{4}$ ③ $1\frac{1}{6}(\frac{7}{6})$ ④ $\frac{13}{20}$

⑤ $1\frac{17}{21}(\frac{38}{21})$ ⑥ $\frac{1}{6}$ ⑦ $3\frac{2}{3}(\frac{11}{3})$

⑧ $1\frac{4}{5}(\frac{9}{5})$ ⑨ $3\frac{1}{4}(\frac{13}{4})$ ⑩ $2\frac{1}{2}(\frac{5}{2})$

4 式 $1\frac{1}{4} + \frac{5}{6} = 2\frac{1}{12}(\frac{25}{12})$

答え $2\frac{1}{12}\text{m}(\frac{25}{12}\text{m})$

◆ 3つの分数の計算 (P.124)
78 ●+▲+■

1① $\frac{7}{8}$ ② $\frac{3}{4}$ ③ $1\frac{1}{18}(\frac{19}{18})$ ④ $1\frac{13}{20}(\frac{33}{20})$

2① $2\frac{1}{12}(\frac{25}{12})$ ② $1\frac{13}{24}(\frac{37}{24})$ ③ $2\frac{1}{2}(\frac{5}{2})$

④ $2\frac{1}{28}(\frac{57}{28})$

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

答え 5dL

◆ 3つの分数の計算 (P.125)
79 ●-▲-■

1① $\frac{5}{18}$ ② $\frac{1}{24}$ ③ $\frac{1}{4}$ ④ $\frac{1}{4}$

2① $1\frac{7}{12}(\frac{19}{12})$ ② $1\frac{13}{18}(\frac{31}{18})$ ③ 1

④ $1\frac{1}{2}(\frac{3}{2})$

3 式 $4\frac{2}{5} - 1\frac{3}{4} - 1\frac{1}{2} = 1\frac{3}{20}(\frac{23}{20})$

答え $1\frac{3}{20}\text{km}(\frac{23}{20}\text{km})$

◆ 3つの分数の計算 (P.126)
80 ●+▲-■

1① $\frac{1}{12}$ ② $\frac{9}{16}$ ③ $\frac{1}{4}$ ④ $\frac{17}{24}$

2① $1\frac{7}{12}(\frac{19}{12})$ ② $\frac{17}{18}$ ③ $1\frac{1}{30}(\frac{31}{30})$

④ $2\frac{17}{30}(\frac{77}{30})$ ⑤ $1\frac{13}{36}(\frac{49}{36})$ ⑥ 1

◆ 3つの分数の計算 (P.127)
81 ●-▲+■

1① $\frac{5}{12}$ ② $\frac{1}{5}$ ③ $\frac{2}{3}$ ④ $1\frac{1}{24}(\frac{25}{24})$

2① $1\frac{1}{4}(\frac{5}{4})$ ② $1\frac{13}{18}(\frac{31}{18})$ ③ $1\frac{17}{20}(\frac{37}{20})$

④ $2\frac{3}{8}(\frac{19}{8})$ ⑤ $\frac{7}{8}$ ⑥ $1\frac{5}{12}(\frac{17}{12})$

◆ 3つの分数の計算 (P.128・129)
82 ●-(▲+■), ●-(▲-■)

1① $\frac{1}{18}$ ② $\frac{7}{24}$ ③ $\frac{2}{3}$ ④ $\frac{17}{18}$

2① $\frac{13}{24}$ ② $\frac{11}{24}$ ③ $1\frac{1}{5}(\frac{6}{5})$ ④ 2

3① $\frac{7}{12}$ ② $\frac{1}{8}$ ③ $\frac{23}{36}$ ④ $1\frac{13}{18}(\frac{31}{18})$

- ⑤ $1\frac{2}{3}(\frac{5}{3})$ ⑥ $\frac{1}{12}$ ⑦ $1\frac{19}{24}(\frac{43}{24})$ ⑧ $\frac{3}{4}$
 ⑨ $\frac{39}{40}$ ⑩ $\frac{11}{30}$ ⑪ $\frac{17}{18}$ ⑫ $\frac{1}{4}$

◆3つの分数の計算

(P.130・131)

83 まとめの練習

- ① ① $\frac{17}{24}$ ② $2\frac{25}{28}(\frac{81}{28})$
 ② ① $\frac{1}{12}$ ② $1\frac{1}{2}(\frac{3}{2})$
 ③ ① $\frac{2}{3}$ ② $\frac{23}{30}$
 ④ ① $1\frac{5}{24}(\frac{29}{24})$ ② $\frac{5}{6}$
 ⑤ ① $\frac{5}{24}(\frac{29}{24})$ ② $\frac{11}{18}$
 ⑥ ① $1\frac{9}{10}(\frac{19}{10})$ ② $2\frac{5}{18}(\frac{41}{18})$ ③ $1\frac{1}{7}(\frac{8}{7})$
 ④ $1\frac{1}{20}(\frac{21}{20})$ ⑤ $1\frac{1}{15}(\frac{16}{15})$ ⑥ $3\frac{7}{24}(\frac{79}{24})$
 ⑦ $\frac{27}{40}$ ⑧ $\frac{17}{18}$
 ⑦ 式 $1\frac{5}{6} + 1\frac{1}{3} + \frac{3}{8} = 3\frac{13}{24}(\frac{85}{24})$
 答え $3\frac{13}{24}L(\frac{85}{24}L)$

◆分数と小数

(P.132)

84 わり算と分数

- ① ① $\frac{1}{5}$ ② $\frac{3}{7}$ ③ $\frac{1}{2}$ ④ $\frac{8}{15}$ ⑤ $\frac{3}{4}$ ⑥ $\frac{3}{4}$
 ② ① $1\frac{3}{4}(\frac{7}{4})$ ② $3\frac{1}{3}(\frac{10}{3})$ ③ $1\frac{1}{3}(\frac{4}{3})$
 ④ $2\frac{2}{5}(\frac{12}{5})$ ⑤ $2\frac{2}{3}(\frac{8}{3})$ ⑥ $2\frac{1}{4}(\frac{9}{4})$
 ③ 式 $15 \div 6 = \frac{5}{2} = 2\frac{1}{2}$
 答え $2\frac{1}{2}m(\frac{5}{2}m)$

◆分数と小数

(P.133)

85 基本の練習(分数と小数)

- ① ① 0.4 ② 0.75 ③ 0.375 ④ 1.6
 ⑤ 1.25 ⑥ 2.24

- ② ① $\frac{3}{5}$ ② $\frac{7}{10}$ ③ $1\frac{4}{5}(\frac{9}{5})$ ④ $2\frac{1}{2}(\frac{5}{2})$
 ⑤ $\frac{3}{25}$ ⑥ $\frac{1}{4}$ ⑦ $1\frac{23}{50}(\frac{73}{50})$ ⑧ $2\frac{1}{20}(\frac{41}{20})$

◆分数と小数

(P.134)

86 分数と小数のたし算

- ① ① $\frac{19}{20}$ ② $\frac{37}{40}$ ③ $\frac{17}{25}$ ④ $\frac{17}{20}$
 ② ① $\frac{19}{30}$ ② $\frac{12}{35}$ ③ $\frac{13}{60}$ ④ $\frac{11}{12}$
 ③ 式 $\frac{1}{4} + 0.2 = \frac{9}{20}$
 答え $\frac{9}{20}L$

◆分数と小数

(P.135)

87 分数と小数のひき算

- ① ① $\frac{1}{10}$ ② $\frac{7}{8}$ ③ $\frac{69}{100}$ ④ $\frac{7}{20}$
 ② ① $\frac{4}{15}$ ② $\frac{3}{35}$ ③ $\frac{17}{60}$ ④ $\frac{7}{12}$
 ③ 式 $\frac{3}{5} - 0.4 = \frac{1}{5}$
 答え $\frac{1}{5}m$

◆分数と小数

(P.136・137)

88 まとめの練習

- ① ① $\frac{1}{3}$ ② $\frac{2}{5}$ ③ $1\frac{1}{2}(\frac{3}{2})$ ④ $3\frac{1}{5}(\frac{16}{5})$
 ⑤ $\frac{2}{3}$ ⑥ $1\frac{1}{3}(\frac{4}{3})$
 ② ① $\frac{7}{10}$ ② $\frac{19}{20}$ ③ $\frac{33}{35}$ ④ $\frac{29}{100}$
 ③ ① $\frac{1}{10}$ ② $\frac{11}{20}$ ③ $\frac{44}{75}$ ④ $\frac{8}{15}$
 ④ ① $\frac{29}{30}$ ② $\frac{4}{5}$ ③ $\frac{11}{15}$ ④ $\frac{18}{25}$
 ⑤ $\frac{9}{14}$ ⑥ $\frac{79}{100}$ ⑦ $\frac{39}{40}$ ⑧ $\frac{3}{5}$
 ⑨ $\frac{39}{50}$ ⑩ $\frac{1}{15}$

5 式 $28 \div 24 = \frac{7}{6} = 1 \frac{1}{6}$

答え $1 \frac{1}{6}$ 倍 $\left(\frac{7}{6}\right)$ 倍

◆分数と小数

(P.138・139)

89 分数と小数の計算のまとめ

1 ① $1 \frac{1}{3} \left(\frac{4}{3}\right)$ ② $1 \frac{3}{8} \left(\frac{11}{8}\right)$ ③ $2 \frac{2}{15} \left(\frac{32}{15}\right)$

④ $\frac{1}{28}$

2 ① $\frac{1}{18}$ ② $\frac{9}{20}$ ③ $\frac{3}{8}$ ④ $1 \frac{11}{40} \left(\frac{51}{40}\right)$

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

4 ① $\frac{29}{40}$ ② $1 \frac{9}{20} \left(\frac{29}{20}\right)$ ③ $\frac{23}{25}$ ④ $\frac{3}{4}$

5 ① $\frac{1}{30}$ ② $\frac{1}{15}$ ③ $\frac{49}{100}$ ④ $\frac{3}{8}$

6 式 $1 \frac{5}{9} - \frac{2}{3} - \frac{3}{4} = \frac{5}{36}$

答え $\frac{5}{36}$ L

(P.140・141)

90 5年のまとめ①

1 ① 70.2 ② 20.16 ③ 6.57

④ 10.634 ⑤ 1.9018 ⑥ 0.52

2 ① 16 ② 6.7 ③ 8 ④ 4 ⑤ 4.5

⑥ 14.4

3 ① 7.7あまり0.07 ② 0.6あまり0.01

③ 8.3あまり0.005

4 ① $1 \frac{1}{2} \left(\frac{3}{2}\right)$ ② $2 \frac{2}{21} \left(\frac{44}{21}\right)$

③ $1 \frac{13}{15} \left(\frac{28}{15}\right)$ ④ $3 \frac{23}{28} \left(\frac{107}{28}\right)$

5 ① $\frac{19}{36}$ ② $\frac{1}{6}$ ③ $\frac{5}{12}$ ④ $\frac{3}{5}$

6 式 $0.75 \times 2.8 = 2.1$

答え 2.1 L

91 5年のまとめ②

(P.142・143)

1 ① 1.2288 ② 4.5 ③ 26.13 ④ 8

⑤ 0.3298 ⑥ 6.8

2 ① 7.44 ② 2.28 ③ 0.46 ④ 2.6

3 ① $3 \frac{5}{24} \left(\frac{77}{24}\right)$ ② $1 \frac{1}{28} \left(\frac{29}{28}\right)$ ③ $\frac{31}{45}$ ④ $\frac{13}{24}$

4 ① $\frac{14}{15}$ ② $\frac{2}{3}$ ③ $\frac{13}{40}$ ④ $\frac{9}{20}$

5 式 $2 \frac{4}{5} + 1 \frac{1}{4} = 4 \frac{1}{20} \left(\frac{81}{20}\right)$

答え $4 \frac{1}{20}$ kg $\left(\frac{81}{20}$ kg)

ひとやすみの答え

P.47

6 ^①	+	2 ^②	=	8
÷ ^③	■	×	■	- ^④
3 ^⑤	+	1 ^⑥	=	4
=	■	=	■	=
2 ^⑦	×	2	=	4 ^⑧

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4	8	7		4	6	5	3	
		2		8		4		
3	8	7	9	2		7	5	
1		8		0		4	6	7
4							1	
7	4	5	3		5	3	2	6
	8		4	4	4			3
4	9	3	7		2	5		7
	3		3			8		5
	6		2	8		3	7	2

