

くもんの
スタートで
つまずかない
中学数学
計算

答えと考え方

※()は別解です。

1 正負の数と数直線

P.6-7

- 1 A 3 B $4.5(\frac{9}{2}, 4\frac{1}{2})$
C $0.75(\frac{3}{4})$ D $5.25(\frac{21}{4}, 5\frac{1}{4})$
E $3.75(\frac{15}{4}, 3\frac{3}{4})$ F $2.25(\frac{9}{4}, 2\frac{1}{4})$

ヒント 答えに+をつけても正解。

- 2 A 0 B +3 C -6
D $+4.5(+\frac{9}{2}, +4\frac{1}{2})$
E $+0.5(+\frac{1}{2})$
F $-1.5(-\frac{3}{2}, -1\frac{1}{2})$

- 3 (1) 
(2) 
(3) 
(4) 
(5) 

- 4 (1) $+7^{\circ}\text{C}$
(2) -3°C
(3) $+15.3^{\circ}\text{C}$
(4) -0.9°C

2 正負の数の絶対値

P.8-9

- 1 A +1, 1 B -0.5, 0.5
C +3.5, 3.5 D -5.5, 5.5
E -2, 2 F +1.5, 1.5

- 2 (1) 4 (2) 11 (3) 5
(4) 7 (5) 0 (6) 2.7
(7) 3.5 (8) 0.9 (9) $\frac{1}{5}$
(10) $\frac{3}{4}$

- 3 (1) -6, +6 (2) -14, +14
(3) -2.7, +2.7 (4) -0.05, +0.05
(5) $-\frac{1}{2}, +\frac{1}{2}$ (6) $-\frac{5}{6}, +\frac{5}{6}$

- 4 (1) 0.2 (2) 0.02 (3) -0.2

3 正負の数の大小

P.10-11

- 1 (1) 
(2) +6
(3) 
(4) +6
(5) 
(6) -2

- 2 (1) $-1 < 0$ (2) $2 > 1$

- 3 (1) $-8 < +2$

(2) $-4.5 < -1$

(3) $-3 < -\frac{5}{2} < +\frac{3}{4}$


- 4 (1) $-3 < -2.5 < +4$
(2) $-2.4 < -1.2 < 0$
(3) $-0.02 < -0.002 < 0$

4 正負の数の加法(1)

P.12-13

- 1 (1) 5 (2) 7 (3) 10
(4) 12 (5) 16 (6) 14
(7) 22 (8) 44

- 2 (1) 9 (2) 8 (3) 15
(4) 9 (5) 21 (6) 23
(7) 32 (8) 40 (9) 56
(10) 71

- 3 (1) 12 (2) 17 (3) 21
(4) 24 (5) 31 (6) 32
(7) 17 (8) 40 (9) 54
(10) 61

- 4 (1) 14 (2) 12 (3) 25
(4) 21 (5) 33 (6) 32
(7) 41 (8) 41 (9) 52
(10) 51 (11) 60 (12) 67

5 正負の数の加法(2)

P.14-15

- 1 (1) 2 (2) 1 (3) 5
(4) 9 (5) 9 (6) 5
(7) 6 (8) 18

- 2 (1) 0 (2) -1 (3) -5
(4) -15 (5) -8 (6) -6
(7) -7 (8) -17 (9) -7
(10) -26

- 3 (1) 1 (2) 5 (3) 1
(4) -3 (5) -6 (6) -8
(7) -9 (8) -18 (9) -6
(10) -5

- 4 (1) 7 (2) 3 (3) 1
(4) -3 (5) -13 (6) -13
(7) 5 (8) -5 (9) -8
(10) -28 (11) -18 (12) -27

6 正負の数の加法(3)

P.16-17

- 1 (1) 7.1 (2) 6.3 (3) 8.4
(4) 8 (5) 16.8 (6) 15.9
(7) 39.6 (8) 31.7

- 2 (1) 7.2 (2) 9.6 (3) 9.7
(4) 8.9 (5) 9.4 (6) 7.5
(7) 8.8 (8) 8.1 (9) 8.4
(10) 11.6

- 3 (1) 1.2 (2) 0 (3) -1.2
(4) -2.4 (5) -2.3 (6) 2.1
(7) 0.9 (8) -3.7 (9) -2.9
(10) -1.8

- 4 (1) 7.8 (2) 10.1 (3) 12.1
(4) 1.4 (5) -5.2 (6) -3.3
(7) 5.4 (8) -7.3 (9) -7
(10) -5.6 (11) -8.3 (12) -14.2

7 正負の数の加法(4)

P.18-19

- 1 (1) $\frac{3}{5}$ (2) $\frac{5}{7}$ (3) $\frac{9}{11}$
(4) $\frac{11}{15}$ (5) $\frac{14}{5}$ (6) $\frac{11}{7}$

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

- 3 (1) $\frac{4}{9}$ (2) $\frac{2}{5}$ (3) $-\frac{4}{11}$
(4) $-\frac{1}{9}$ (5) $\frac{1}{5}$ (6) $\frac{2}{9}$
(7) 0 (8) $-\frac{5}{11}$

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

8 正負の数の加法(5)

P.20-21

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

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

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

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

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

9 正負の数の加法(6)

P.22-23

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

- 2 (1) $\frac{8}{12}$ と $\frac{9}{12}$ (2) $\frac{5}{20}$ と $\frac{8}{20}$
(3) $\frac{9}{12}$ と $\frac{2}{12}$ (4) $\frac{4}{6}$ と $\frac{5}{6}$
(5) $\frac{20}{24}$ と $\frac{9}{24}$ (6) $\frac{9}{30}$ と $\frac{5}{30}$

- 3 (1) $\frac{5}{6}$ (2) $\frac{5}{6}$ (3) $\frac{7}{12}$ (4) $\frac{13}{9}$

- 4 (1) $\frac{7}{6}$ (2) $\frac{7}{12}$ (3) $\frac{9}{20}$
(4) $\frac{16}{15}$ (5) $-\frac{5}{12}$ (6) $\frac{4}{15}$
(7) $-\frac{1}{4}$ (8) $-\frac{1}{6}$ (9) $\frac{37}{24}$
(10) $-\frac{19}{15}$ (11) $-\frac{7}{30}$ (12) $\frac{9}{28}$

10 正負の数の加法(7)

P.24-25

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

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

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

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

11 正負の数の加法(8)

P.26-27

- 1 (1) ① 7 ② 7 (2) ① 15 ② 15
(3) ① 2 ② 2 (4) ① 6.3 ② 6.3
(5) ① $\frac{31}{40}$ ② $\frac{31}{40}$ (6) ① $\frac{19}{28}$ ② $\frac{19}{28}$

- 2 (1) ① 9 ② 9 (2) ① 15 ② 15
(3) ① 25 ② 25 (4) ① 3.3 ② 3.3
(5) ① $\frac{17}{12}$ ② $\frac{17}{12}$ (6) ① $\frac{5}{6}$ ② $\frac{5}{6}$



- 3 (1) ① 13 ② 13
 (2) ① -19 ② -19
 (3) ① 2 ② 2 (4) ① 9 ② 9
 (5) ① -6.9 ② -6.9
 (6) ① -1.62 ② -1.62
 (7) ① $-\frac{1}{8}$ ② $-\frac{1}{8}$
 (8) ① $-\frac{1}{4}$ ② $-\frac{1}{4}$
 (9) ① $\frac{26}{21}$ ② $\frac{26}{21}$
 (10) ① $-\frac{1}{9}$ ② $-\frac{1}{9}$

12 正負の数の加法(9)

P28-29

- 1 (1) ① 13 ② 13 (2) ① 17 ② 17
 (3) ① 50 ② 50 (4) ① 77 ② 77
 (5) ① 21.2 ② 21.2
 (6) ① 13.8 ② 13.8
 (7) ① 2 ② 2

- 2 (1) ① 8 ② 8
 (2) ① -12 ② -12
 (3) ① 0.5 ② 0.5
 (4) ① $\frac{1}{9}$ ② $\frac{1}{9}$

- 3 (1) -27 (2) 9 (3) 5
 (4) $-\frac{1}{3}$

考え方。

- (1) $= \{(+9) + (-9)\} + (-15) + (-12)$
 (2) $= \{(+19) + (-19)\} + (-8) + (+17)$
 (3) $= \{(+2.5) + (+4.5) + (-7)\} + (+5)$
 (4) $= \left(+\frac{4}{6}\right) + \left(-\frac{3}{6}\right) + \left(-\frac{8}{6}\right) + \left(+\frac{5}{6}\right)$
 $= \left\{\left(+\frac{4}{6}\right) + \left(+\frac{5}{6}\right)\right\} + \left\{\left(-\frac{3}{6}\right) + \left(-\frac{8}{6}\right)\right\}$

13 正負の数の減法(1)

P30-31

- 1 (1) 4 (2) 5 (3) 4 (4) 3
 (5) 2 (6) 4 (7) 8 (8) 4

- 2 (1) 1 (2) 2 (3) 7
 (4) 7 (5) -10 (6) 2
 (7) 3 (8) 5 (9) -6
 (10) -7

- 3 (1) 6 (2) 9 (3) 11
 (4) 17 (5) 22 (6) -5
 (7) -9 (8) -8 (9) -21
 (10) -26

- 4 (1) 2 (2) 5 (3) -8
 (4) 5 (5) 12 (6) 21
 (7) -10 (8) -12 (9) -23
 (10) 2 (11) 3 (12) -4

14 正負の数の減法(2)

P32-33

- 1 (1) 1.6 (2) 1.7 (3) 1
 (4) 3 (5) 0.9 (6) 2.6
 (7) 7.7 (8) 6.7

- 2 (1) 2.6 (2) 3 (3) 1.3
 (4) 2.1 (5) 2.7 (6) -0.2
 (7) -0.6 (8) 2.2 (9) 2.7
 (10) -4.7

- 3 (1) 7.2 (2) 9.6 (3) 13.5
 (4) 18.6 (5) 24 (6) -3.8
 (7) -7.9 (8) -9.1 (9) -14.4
 (10) -19.5

- 4 (1) 1.2 (2) 1.5 (3) -1.2
 (4) 9.7 (5) 14.3 (6) 15.1
 (7) -5.9 (8) -12.3 (9) -14.9
 (10) 0.9 (11) -1.9 (12) -1.5

15 正負の数の減法(3)

P34-35

- 1 (1) $\frac{1}{5}$ (2) $\frac{3}{7}$ (3) $\frac{3}{11}$
 (4) $\frac{1}{15}$ (5) $\frac{2}{5}$ (6) $\frac{3}{7}$

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

- 3 (1) $\frac{6}{7}$ (2) $\frac{5}{9}$ (3) $\frac{10}{11}$
 (4) $\frac{4}{5}$ (5) $-\frac{6}{7}$ (6) $-\frac{9}{7}$
 (7) $-\frac{10}{13}$ (8) $-\frac{7}{9}$

- 4 (1) $\frac{4}{9}$ (2) $\frac{4}{7}$ (3) $-\frac{4}{13}$
 (4) $\frac{1}{7}$ (5) $\frac{11}{9}$ (6) $-\frac{9}{11}$
 (7) $-\frac{3}{11}$ (8) $-\frac{4}{15}$ $\frac{4}{15}$

16 正負の数の減法(4)

P36-37

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

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

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

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

- (7) $-\frac{1}{2}$ (8) $\frac{2}{3}$

17 正負の数の減法(5)

P38-39

- 1 (1) $\frac{1}{6}$ (2) $\frac{1}{4}$ (3) $\frac{1}{12}$
 (4) $\frac{4}{15}$ (5) $\frac{5}{12}$ (6) $\frac{7}{20}$

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

- 3 (1) $\frac{22}{15}$ (2) $\frac{13}{24}$ (3) $\frac{31}{20}$
 (4) $-\frac{25}{28}$ (5) $-\frac{5}{8}$ (6) $-\frac{11}{10}$

- 4 (1) $\frac{1}{6}$ (2) $-\frac{1}{4}$ (3) $\frac{13}{12}$
 (4) $-\frac{7}{15}$ (5) $-\frac{35}{24}$ (6) $-\frac{7}{18}$

18 正負の数の減法(6)

P40-41

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

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

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

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

19 加法と減法の混じった計算(1) P.42-43

- 1 (1) 5 (2) 1 (3) 11
(4) 7 (5) -6 (6) -5

- 2 (1) -6 (2) 5 (3) 15
(4) -15 (5) 20 (6) 5

- 3 (1) -24 (2) -28 (3) 0
(4) 27 (5) 7 (6) 4

- 4 (1) -44 (2) 11

20 加法と減法の混じった計算(2) P.44-45

- 1 (1) 19.4 (2) $\frac{49}{10}$

- 2 (1) -6.9 (2) -16.1 (3) $-\frac{2}{3}$
(4) $\frac{5}{8}$

- 3 (1) $\frac{2}{15}$ (2) 34.2 (3) $\frac{7}{36}$
(4) 8.69 (5) -32.5 (6) $\frac{13}{6}$
(7) -1.6

考え方

- (1) $=2-\frac{2}{3}+\frac{4}{5}-2=2-2-\frac{2}{3}+\frac{4}{5}$
 $=-\frac{10}{15}+\frac{12}{15}=\frac{2}{15}$
(2) $=2.4+35-1.8-1.4$
 $=37.4-3.2=34.2$
(3) $=-14+\frac{4}{9}-\frac{1}{4}+14$
 $=-14+14+\frac{4}{9}-\frac{1}{4}=\frac{16}{36}-\frac{9}{36}=\frac{7}{36}$
(4) $=-7.2+8.4-1.51+9$
 $=-7.2-1.51+8.4+9$
 $=-8.71+8.4+9$
 $=-0.31+9=8.69$
(5) $=-6-4.3+1.6+1.2-25$
 $=-6-25-4.3+1.6+1.2$

- $=-31-4.3+2.8$
 $=-31-1.5=-32.5$
(6) $=7+\frac{1}{4}-\frac{5}{6}+\frac{3}{4}-5$
 $=7-5+\frac{1}{4}+\frac{3}{4}-\frac{5}{6}=2+1-\frac{5}{6}$
 $=3-\frac{5}{6}=\frac{18}{6}-\frac{5}{6}=\frac{13}{6}$
(7) $=-6-5.3-2.7+3.4+9$
 $=-6-8+12.4$
 $=-14+12.4=-1.6$



TEST まとめテスト①

P.46-47

- 1 A +5, 5 B +2.5, 2.5
C -4, 4 D -6.5, 6.5
E -1, 1 F -4.5, 4.5

- 2 (1) $-4<-2<+3$
(2) $-\frac{1}{2}<-\frac{1}{3}<-\frac{1}{4}$
(3) $-9.9<-9.09<-9$

- 3 (1) 7 (2) -8 (3) -4.9
(4) -6 (5) $-\frac{1}{12}$ (6) $\frac{2}{5}$

- 4 (1) -20 (2) 12 (3) 1.9
(4) -13.1 (5) $\frac{13}{12}$ (6) $\frac{1}{3}$
(7) 7 (8) 31 (9) $\frac{13}{2}$
(10) $\frac{1}{5}$ (11) -1.4 (12) 0.1
(13) $\frac{2}{3}$ (14) $-\frac{1}{6}$

考え方

- (7) $=-14+19-12+14$
 $=-14+14+19-12$
 $=19-12=7$
(8) $=-14+19+12+14$
 $=-14+14+19+12$
 $=19+12=31$
(9) $=3+4-\frac{1}{2}=7-\frac{1}{2}=\frac{14}{2}-\frac{1}{2}=\frac{13}{2}$

- (10) $=6-6+\frac{1}{5}=\frac{1}{5}$
(11) $=4.6+6-3.8-8.2=10.6-12$
 $=-1.4$
(12) $=2.3+4.8-7=7.1-7=0.1$
(13) $=\frac{1}{2}-\frac{1}{6}+\frac{1}{3}=\frac{1}{2}+\frac{1}{3}-\frac{1}{6}=\frac{3}{6}+\frac{2}{6}-\frac{1}{6}$
 $=\frac{5}{6}-\frac{1}{6}=\frac{4}{6}=\frac{2}{3}$
(14) $=-\frac{1}{5}+\frac{3}{10}-\frac{4}{15}=-\frac{1}{5}-\frac{4}{15}+\frac{3}{10}$
 $=-\frac{6}{30}-\frac{8}{30}+\frac{9}{30}=-\frac{14}{30}+\frac{9}{30}$
 $=-\frac{5}{30}=-\frac{1}{6}$

21 正負の数の乗法(1)

P.48-49

- 1 (1) 12 (2) 12 (3) 21
(4) 48 (5) 72 (6) 112

- 2 (1) 56 (2) 27 (3) 42
(4) 52 (5) 55 (6) 168

- 3 (1) 24 (2) 36 (3) 21
(4) 64 (5) 32 (6) 54
(7) 96 (8) 64

- 4 (1) -12 (2) -18 (3) -48
(4) -45 (5) -72 (6) -112

22 正負の数の乗法(2)

P.50-51

- 1 (1) 12.8 (2) 14.4 (3) 33.6
(4) 6.4 (5) 49.2 (6) 65.8

- 2 (1) 56.8 (2) 29.7 (3) 53.4
(4) 12.8 (5) 11.5 (6) 15.82

- 3 (1) 8.6 (2) 14.4 (3) 26.6
(4) 71.2 (5) 32.8 (6) 56.4
(7) 9.96 (8) 70.52

- 4 (1) -13.5 (2) -22.2 (3) -49.2
(4) -48.5 (5) -8.19 (6) -14.11
(7) -17.68 (8) -157.68

23 正負の数の乗法(3)

P.52-53

- 1 (1) $\frac{2}{5}$ (2) $\frac{21}{8}$ (3) $\frac{1}{12}$
(4) $\frac{1}{4}$ (5) $\frac{5}{9}$ (6) $\frac{3}{10}$

- 2 (1) $\frac{1}{21}$ (2) $\frac{4}{7}$ (3) $\frac{5}{16}$
(4) $\frac{8}{15}$ (5) $\frac{16}{35}$ (6) $\frac{4}{15}$

- 3 (1) $\frac{3}{20}$ (2) $\frac{1}{2}$ (3) $\frac{4}{25}$
(4) $\frac{3}{14}$ (5) $\frac{3}{4}$ (6) $\frac{7}{36}$
(7) $\frac{2}{15}$ (8) $\frac{2}{9}$

- 4 (1) $-\frac{4}{15}$ (2) $-\frac{1}{3}$ (3) $-\frac{3}{56}$
(4) $-\frac{8}{27}$ (5) $-\frac{3}{4}$ (6) -1
(7) $-\frac{2}{9}$ (8) $-\frac{27}{41}$

24 正負の数の乗法(4)

P.54-55

- 1 (1) ① 12 ② 12 (2) ① 72 ② 72
(3) ① 11.5 ② 11.5
(4) ① $\frac{21}{32}$ ② $\frac{21}{32}$

- 2 (1) ① 42 ② 42 (2) ① 45 ② 45
(3) ① 15.6 ② 15.6
(4) ① $\frac{16}{35}$ ② $\frac{16}{35}$

- 3 (1) ① -30 ② -30
(2) ① -645 ② -645
(3) ① -1128 ② -1128
(4) ① -15.2 ② -15.2
(5) ① -40.6 ② -40.6

- (6) ① $-\frac{3}{56}$ ② $-\frac{3}{56}$
 (7) ① $\frac{4}{7}$ ② $\frac{4}{7}$
 (8) ① $\frac{7}{15}$ ② $\frac{7}{15}$
 (9) ① $-\frac{3}{4}$ ② $-\frac{3}{4}$
 (10) ① $-\frac{2}{9}$ ② $-\frac{2}{9}$

25 正負の数の乗法(5)

P.56-57

- 1 (1) ① 24 ② 24
 (2) ① -420 ② -420
 (3) ① -300 ② -300

- 2 (1) ① 42.5 ② 42.5
 (2) ① -263.5 ② -263.5

- 3 (1) ① $\frac{7}{40}$ ② $\frac{7}{40}$ (2) ① $\frac{1}{2}$ ② $\frac{1}{2}$
 (3) ① $-\frac{3}{28}$ ② $-\frac{3}{28}$

26 同じ数の積(累乗)(1)

P.58-59

- 1 (1) 3^2 (2) 4^2 (3) 8^3
 (4) 9^3 (5) 11^4 (6) $(-1)^2$
 (7) $(-6)^2$ (8) $(-4)^2$ (9) $(-18)^3$
 (10) $(-35)^3$ (11) 0.3^2 (12) $(-1.2)^3$
 (13) $(\frac{1}{4})^3$ (14) $(-\frac{5}{6})^2$

- 2 (1) $(-3)^2 \times 6^2$ (2) $2^3 \times (-7)^2$
 (3) $10^2 \times (-1)^3$ (4) $15^4 \times 7^2$
 (5) $(-2)^3 \times (-8)^3$ (6) $0.1^2 \times 0.6^2$
 (7) $(-2.4)^3 \times (-9)^2$ (8) $1.3^3 \times (-4.1)^2$
 (9) $(\frac{2}{3})^4 \times (-\frac{4}{7})^2$ (10) $(-\frac{3}{5})^2 \times (\frac{7}{8})^3$

27 同じ数の積(累乗)(2)

P.60-61

- 1 (1) 9 (2) 64 (3) 144
 (4) 4 (5) -4 (6) 16
 (7) 0.04 (8) -0.001 (9) $\frac{9}{16}$
 (10) $-\frac{8}{27}$

- 2 (1) 36 (2) -36 (3) 144
 (4) -128 (5) 200 (6) -100
 (7) 10 (8) 0.04 (9) -2
 (10) $\frac{1}{25}$ (11) $\frac{3}{16}$ (12) $-\frac{3}{160}$

考え方

- (1) $=9 \times 4 = 36$
 (2) $= -9 \times 4 = -36$
 (3) $= 16 \times 9 = 144$
 (4) $= -8 \times 16 = -128$
 (5) $= 8 \times 25 = 200$
 (6) $= -25 \times 4 = -100$
 (7) $= 1000 \times 0.01 = 10$
 (8) $= 0.04 \times 1 = 0.04$
 (9) $= -0.25 \times 8 = -2$
 (10) $= \frac{1}{4} \times \frac{4}{25} = \frac{1}{25}$
 (11) $= \frac{4}{9} \times \frac{27}{64} = \frac{3}{16}$
 (12) $= \frac{25}{36} \times (-\frac{27}{1000}) = -\frac{3}{160}$

28 正負の数の除法(1)

P.62-63

- 1 (1) 3 (2) 4 (3) 6
 (4) 9 (5) 27 (6) 11
 2 (1) 6 (2) 6 (3) 8
 (4) 18 (5) 23 (6) 24
 3 (1) 22 (2) 37 (3) 9
 (4) 29 (5) 13 (6) 28
 (7) 8 (8) 8

- 4 (1) -17 (2) -7 (3) -23
 (4) -6 (5) -24 (6) -22
 (7) -29 (8) -23

29 正負の数の除法(2)

P.64-65

- 1 (1) 0.6 (2) 0.4 (3) 60
 (4) 90 (5) 27 (6) 1.1

- 2 (1) 20 (2) 60 (3) 80
 (4) 180 (5) 70 (6) 0.9

- 3 (1) 20 (2) 90 (3) 19
 (4) 27 (5) 13 (6) 8
 (7) 280 (8) 0.8

- 4 (1) -7 (2) -6 (3) -23
 (4) -20 (5) -4 (6) -22
 (7) -2.3 (8) -2.4

30 正負の数の除法(3)

P.66-67

- 1 (1) $\frac{4}{3}$ (2) $\frac{6}{5}$ (3) $\frac{10}{9}$
 (4) $\frac{19}{12}$ (5) $\frac{20}{11}$ (6) $\frac{21}{19}$

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

- 3 (1) $\frac{1}{2}$ (2) $\frac{1}{3}$ (3) $\frac{1}{8}$
 (4) $\frac{1}{12}$ (5) $-\frac{1}{4}$ (6) $-\frac{1}{5}$
 (7) $-\frac{1}{10}$ (8) $-\frac{1}{15}$

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

考え方

- (1) $0.6 = \frac{6}{10} = \frac{3}{5}$ だから、逆数は $\frac{5}{3}$
 (2) $0.8 = \frac{8}{10} = \frac{4}{5}$ だから、逆数は $\frac{5}{4}$
 (3) $1.2 = \frac{12}{10} = \frac{6}{5}$ だから、逆数は $\frac{5}{6}$
 (4) $1.5 = \frac{15}{10} = \frac{3}{2}$ だから、逆数は $\frac{2}{3}$
 (5) $-0.4 = -\frac{4}{10} = -\frac{2}{5}$ だから、逆数は $-\frac{5}{2}$
 (6) $-0.7 = -\frac{7}{10}$ だから、逆数は $-\frac{10}{7}$
 (7) $-1.1 = -\frac{11}{10}$ だから、逆数は $-\frac{10}{11}$
 (8) $-1.8 = -\frac{18}{10} = -\frac{9}{5}$ だから、逆数は $-\frac{5}{9}$

31 正負の数の除法(4)

P.68-69

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

考え方

- (5) $-2 = -\frac{2}{1}$ だから、逆数は $-\frac{1}{2}$
 (6) $0.3 = \frac{3}{10}$ だから、逆数は $\frac{10}{3}$

- 2 (1) 4 (2) 27 (3) 20
 (4) 63 (5) $\frac{5}{2}$ (6) $\frac{9}{7}$
 (7) $\frac{5}{6}$ (8) $\frac{3}{4}$

- 3 (1) 10 (2) 48 (3) $\frac{3}{2}$
 (4) $\frac{3}{4}$ (5) 21 (6) 63
 (7) $\frac{1}{2}$ (8) $\frac{3}{2}$

- 4 (1) -36 (2) -15 (3) $-\frac{6}{7}$
 (4) $-\frac{16}{5}$ (5) -30 (6) -55
 (7) $-\frac{4}{3}$ (8) $-\frac{8}{7}$

32 四則の混じった計算(1) P.70-71

- 1 (1) 6 (2) 15 (3) 10
(4) 22 (5) 21 (6) 42
- 2 (1) -9 (2) -10 (3) 22
(4) 28 (5) 27 (6) 42
- 3 (1) 9 (2) 21 (3) -15
(4) -24 (5) 77 (6) -34
- 4 (1) -3 (2) 5.6 (3) -7.7
(4) 9.6 (5) $\frac{8}{9}$ (6) $\frac{6}{5}$
(7) 84 (8) 54

33 四則の混じった計算(2) P.72-73

- 1 (1) 11 (2) 19 (3) 23
(4) 15 (5) 19 (6) 29
考え方〇〇
(1) $=6+5=11$ (2) $=12+7=19$
(3) $=15+8=23$ (4) $=21-6=15$
(5) $=28-9=19$ (6) $=40-11=29$
- 2 (1) -5 (2) -13 (3) -19
(4) 11 (5) -20 (6) 16
考え方〇〇
(1) $=3-8=-5$ (2) $=5-18=-13$
(3) $=-4-15=-19$ (4) $=-7+18=11$
(5) $=-8-12=-20$ (6) $=4+12=16$
- 3 (1) 1 (2) -10 (3) -15
(4) 11 (5) 2 (6) -9
(7) 1 (8) -2
考え方〇〇
(1) $=-4+5=1$ (2) $=-3-7=-10$
(3) $=-7-8=-15$ (4) $=4+7=11$
(5) $=7-5=2$ (6) $=-5-4=-9$
(7) $=7-6=1$ (8) $=-8+6=-2$

- 4 (1) -8 (2) -7.5 (3) -6.6
(4) 11 (5) 3 (6) $-\frac{29}{6}$
(7) -4 (8) $\frac{15}{2}$
考え方〇〇
(1) $=-16+8=-8$
(2) $=-0.5-7=-7.5$
(3) $=-7+0.4=-6.6$
(4) $=5+6=11$
(5) $=-6+9=3$
(6) $=-\frac{28}{6}-\frac{1}{6}=-\frac{29}{6}$
(7) $=4-8=-4$
(8) $=5+\frac{5}{2}=\frac{10}{2}+\frac{5}{2}=\frac{15}{2}$

34 四則の混じった計算(3) P.74-75

- 1 (1) 50 (2) 60 (3) 4
(4) 4 (5) 27 (6) 3
考え方〇〇
(1) $=10 \times 5 = 50$ (2) $=15 \times 4 = 60$
(3) $=12 \div 3 = 4$ (4) $=16 \div 4 = 4$
(5) $=9 \times 3 = 27$ (6) $=12 \div 4 = 3$
- 2 (1) -57 (2) 36 (3) 4
(4) -8 (5) -42 (6) 7
考え方〇〇
(1) $=-3 \times 19 = -57$
(2) $=-4 \times (-9) = 36$
(3) $=-16 \div (-4) = 4$
(4) $=32 \div (-4) = -8$
(5) $=7 \times (-6) = -42$
(6) $=56 \div 8 = 7$



- 3 (1) 28 (2) $\frac{1}{4}$ (3) 48 (4) -36
(5) -24 (6) $\frac{3}{2}$ (7) -14 (8) $-\frac{9}{2}$

考え方〇〇

- (1) $=4 \times 7 = 28$
(2) $=-2 \div (-8) = \frac{2}{8} = \frac{1}{4}$
(3) $=16 \times 3 = 48$
(4) $=12 \times (-3) = -36$
(5) $=-8 \times 3 = -24$
(6) $=-9 \div (-6) = \frac{9}{6} = \frac{3}{2}$
(7) $=-7 \times 2 = -14$
(8) $=18 \div (-4) = -\frac{18}{4} = -\frac{9}{2}$

- 4 (1) -7.8 (2) 1.7 (3) $\frac{38}{5}$ (4) $-\frac{11}{40}$

考え方〇〇

- (1) $=2.6 \times (-3) = -7.8$
(2) $=-6.8 \div (-4) = 1.7$
(3) $=\left(-\frac{9}{15}-\frac{10}{15}\right) \times (-6) = -\frac{19}{15} \times (-6)$
 $=\frac{38}{5}$
(4) $=\frac{3}{8} \times \left(-\frac{5}{15}-\frac{6}{15}\right) = \frac{3}{8} \times \left(-\frac{11}{15}\right)$
 $=-\frac{11}{40}$

35 四則の混じった計算(4) P.76-77

- 1 (1) 26 (2) 39 (3) 49
(4) 47 (5) 24 (6) 63
考え方〇〇
(1) $=9 \times 2 + 8 = 18 + 8 = 26$
(2) $=8 \times 4 + 7 = 32 + 7 = 39$
(3) $=9 \times 5 + 4 = 45 + 4 = 49$
(4) $=8 \times 7 - 9 = 56 - 9 = 47$
(5) $=16 \times 2 - 8 = 32 - 8 = 24$
(6) $=25 \times 3 - 12 = 75 - 12 = 63$

- 2 (1) 1 (2) -22 (3) -11
(4) 4 (5) 34 (6) 81

考え方〇〇

- (1) $=9-8=1$ (2) $=8-30=-22$
(3) $=9-20=-11$
(4) $=-8-(-12)=-8+12=4$
(5) $=64-30=34$ (6) $=25+56=81$

- 3 (1) 5 (2) 4 (3) -34 (4) -13
(5) 1 (6) -15 (7) 86 (8) -13

考え方〇〇

- (1) $=8 \div (-4) + 7 = -2 + 7 = 5$
(2) $=-4 + 8 = 4$
(3) $= -125 \div 5 - 9 = -25 - 9 = -34$
(4) $= -4 - 9 = -13$
(5) $=9 - 8 = 1$
(6) $= -7 + (-64) \div 8 = -7 - 8 = -15$
(7) $=81 - (-5) = 81 + 5 = 86$
(8) $= -8 - 45 \div 9 = -8 - 5 = -13$

- 4 (1) 26 (2) -5.3 (3) -7.2 (4) 22
(5) $\frac{44}{3}$ (6) 0 (7) 10 (8) 25

考え方〇〇

- (1) $=4.5 \times 4 + 8 = 18 + 8 = 26$
(2) $= -4.8 \div 16 - 5 = -0.3 - 5 = -5.3$
(3) $= -8 + (-7.2) \div (-9) = -8 + 0.8 = -7.2$
(4) $=16 - (-6) = 16 + 6 = 22$
(5) $=16 \times \frac{7}{8} + \frac{2}{3} = 14 + \frac{2}{3} = \frac{42}{3} + \frac{2}{3} = \frac{44}{3}$
(6) $=63 \div 9 - 7 = 7 - 7 = 0$
(7) $=9 \times \frac{3}{2} - \frac{7}{2} = \frac{27}{2} - \frac{7}{2} = \frac{20}{2} = 10$
(8) $=45 \times \frac{4}{9} + 5 = 20 + 5 = 25$

36 素因数分解(1) P.78-79

- 1 (1) 1, 2, 4, 8 (2) 1, 2, 5, 10
(3) 1, 2, 3, 4, 6, 12
(4) 1, 2, 3, 6, 9, 18 (5) 1, 23
(6) 1, 2, 4, 7, 14, 28
(7) 1, 3, 11, 33 (8) 1, 37

- 2 (1) 2個 (2) 4個 (3) 5個
(4) 6個 (5) 8個 (6) 2個

考え方

- (1) 1, 5の2個。
(2) 1, 2, 3, 6の4個。
(3) 1, 2, 4, 8, 16の5個。
(4) 1, 2, 4, 5, 10, 20の6個。
(5) 1, 2, 3, 4, 6, 8, 12, 24の8個。
(6) 1, 31の2個。

- 3 (1), (2), (3), (4)

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

- (5) 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97

37 素因数分解2

P.80-81

- 1 (1) $\begin{array}{r} 2) 18 \\ 3) 9 \\ \hline 3 \end{array}$ (2) $\begin{array}{r} 2) 30 \\ 3) 15 \\ \hline 5 \end{array}$
(3) $\begin{array}{r} 2) 16 \\ 2) 8 \\ 2) 4 \\ \hline 2 \end{array}$ (4) $\begin{array}{r} 2) 36 \\ 2) 18 \\ 3) 9 \\ \hline 3 \end{array}$

- 2 (1) $2^2 \times 5$ (2) $2^2 \times 7$
(3) 2^5 (4) 2×5^2

- 3 (1) $2^3 \times 3$ (2) 3×13
(3) $2^3 \times 3^2$ (4) $2 \times 3^2 \times 5$

- 4 (1) 最大公約数 6 最小公倍数 90
(2) 最大公約数 8 最小公倍数 120
(3) 最大公約数 16 最小公倍数 192
(4) 最大公約数 12 最小公倍数 180

考え方

- (1) $\begin{array}{r} 2) 18 \ 30 \\ 3) 9 \ 15 \\ \hline 3 \ 5 \end{array}$ (2) $\begin{array}{r} 2) 24 \ 40 \\ 2) 12 \ 20 \\ 2) 6 \ 10 \\ \hline 3 \ 5 \end{array}$
(3) $\begin{array}{r} 2) 48 \ 64 \\ 2) 24 \ 32 \\ 2) 12 \ 16 \\ 2) 6 \ 8 \\ \hline 3 \ 4 \end{array}$ (4) $\begin{array}{r} 2) 36 \ 60 \\ 2) 18 \ 30 \\ 3) 9 \ 15 \\ \hline 3 \ 5 \end{array}$

TEST まとめテスト2

P.82-83

- 1 (1) 84 (2) 80 (3) -24 (4) -27
(5) 10 (6) -20.3 (7) $\frac{5}{8}$ (8) $-\frac{3}{8}$
(9) 27 (10) 8 (11) -17 (12) -14
(13) 36 (14) -2.8 (15) $\frac{3}{4}$ (16) $-\frac{3}{4}$

- 2 (1) 2 (2) $-\frac{4}{9}$ (3) 7 (4) 22
(5) -16 (6) 0.5 (7) -29 (8) -4

考え方

- (3) $= -5 - (-12) = -5 + 12 = 7$
(4) $= 7 + (-9) \times \left(-\frac{5}{3}\right) = 7 + 15 = 22$
(5) $= -64 \div 4 = -16$
(6) $= 4.5 \div 9 = 0.5$
(7) $= -9 - 20 = -29$
(8) $= 8 \times \left(-\frac{5}{4}\right) + 6 = -10 + 6 = -4$

- 3 (1) $2 \times 3 \times 7$ (2) $2^4 \times 5$
(3) $2^3 \times 3 \times 5$ (4) $2^4 \times 3^2$

38 文字式の表し方

P.86-87

- 1 (1) $4a$ (2) $-3x$ (3) xy
(4) abc (5) $0.1ab$ (6) $-2(3+n)$

- 2 (1) $\frac{x}{8}$ (2) $\frac{2y}{5}$ (3) $\frac{a+5}{9}$
(4) $-\frac{x}{y}$ (5) $\frac{6a}{5}$ (6) $-\frac{m+n}{3}$

- 3 (1) $4n^2$ (2) $-7x^2$ (3) a^2c
(4) $-m^2n$ (5) x^3y^2 (6) $-a^3b^2$

- 4 (1) $(32-a)$ 人 (2) $\frac{1}{2}abcm^2$
(3) $(3x+y)g$ (4) $(by+3z)$ 円
(5) $10m+n$ (6) $3(a+b+c)$

39 代入と式の値1

P.88-89

- 1 (1) 9 (2) 15 (3) 18
(4) -6 (5) -21 (6) 1

- 2 (1) 4 (2) -8 (3) -16
(4) 10 (5) $\frac{2}{3}$ (6) -6

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

考え方

- (5) $= 1 \div a = 1 \div \frac{1}{2} = 1 \times 2 = 2$
(6) $= -a \div 2 + 1 = -\frac{1}{2} \div 2 + 1$
 $= -\frac{1}{2} \times \frac{1}{2} + 1 = -\frac{1}{4} + 1 = -\frac{1}{4} + \frac{4}{4} = \frac{3}{4}$

- 4 (1) $-\frac{1}{3}$ (2) 11 (3) 6 (4) -8
(5) $-\frac{5}{2}$ (6) $\frac{13}{3}$ (7) -12 (8) $\frac{1}{12}$

考え方

- (7) $= 4 \div x + 12 = 4 \div \left(-\frac{1}{6}\right) + 12$
 $= 4 \times (-6) + 12 = -24 + 12 = -12$
(8) $= -x \div 2 = -\left(-\frac{1}{6}\right) \div 2 = \frac{1}{6} \times \frac{1}{2} = \frac{1}{12}$

40 代入と式の値2

P.90-91

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

- 2 (1) -6.4 (2) -9.4 (3) -12.6
(4) 7.2 (5) 10.6 (6) 9

- 3 (1) $\frac{1}{8}$ (2) $\frac{1}{6}$ (3) $\frac{1}{5}$ (4) $\frac{3}{14}$

- 4 (1) 2 (2) 8 (3) 10 (4) -18
(5) 0 (6) -4 (7) $-\frac{3}{4}$ (8) $-\frac{7}{3}$

41 代入と式の値3

P.92-93

- 1 (1) 8 (2) 12 (3) 32
(4) -20 (5) -24 (6) -56

- 2 (1) 9 (2) -27 (3) 18
(4) -27 (5) -45 (6) 54

- 3 (1) 20 (2) 11 (3) 6
(4) 9 (5) -2 (6) -3

- 4 (1) 4 (2) 8 (3) -6 (4) 3
(5) -22 (6) 42 (7) -45 (8) -9

42 文字式の計算

P.94-95

- 1 (1) 項 $3x$, 4 x の係数 3
(2) 項 4 , $-2x$ x の係数 -2
(3) 項 $6x$, $-\frac{8}{9}$ x の係数 6
(4) 項 1.2 , $-7x$ x の係数 -7
(5) 項 x , $-\frac{1}{4}y$ x の係数 1
 y の係数 $-\frac{1}{4}$
(6) 項 $8.1x$, $-\frac{y}{6}$ x の係数 8.1
 y の係数 $-\frac{1}{6}$

- 2 (1) $5a$ (2) $7m$ (3) $9b$
(4) $11x$ (5) $17y$ (6) $27m$

- 3 (1) a (2) $4b$ (3) $2x$
(4) $-2m$ (5) $-3x$ (6) $-11y$

- 4 (1) x (2) y (3) $-x$
(4) $-20m$ (5) $\frac{2}{5}x$ (6) $-2x+3$
(7) $-3x+13$ (8) $-14m-7$
(9) $17y+9$ (10) $-\frac{2}{3}y+5$

43 1次式の加法(1)

P.96-97

- 1 (1) $3x+7$ (2) $-2x+7$
(3) $6x-11$ (4) $-7x+8$
(5) $3x$ (6) $8x-11$

- 2 (1) $5m+6$ (2) $3m+5$
(3) $-2x-11$ (4) $13m-7$
(5) $24x-8$ (6) $-13a-18$

- 3 (1) $3.2x+7$ (2) $-2x+8.2$
(3) $6.8x-11$ (4) $-1.2x+2.3$
(5) $-0.4x-4.7$ (6) $1.4x-5.2$

- 4 (1) $\frac{3}{5}x+7$ (2) $-2x+1$
(3) $\frac{5}{9}x-11$ (4) $\frac{1}{3}x+\frac{2}{3}$
(5) $x-\frac{1}{8}$ (6) $-\frac{2}{3}x-\frac{5}{6}$

44 1次式の加法(2)

P.98-99

- 1 (1) $5x+7$ (2) $6x+7$
(3) $10x-11$ (4) $13x-5$
(5) $7x+1$ (6) $14x-8$

- 2 (1) $-5m+13$ (2) $-7m-11$
(3) $-16x-17$ (4) $-13m-19$
(5) $-24x-19$ (6) $-15a-3$

- 3 (1) $-x+7$ (2) -1
(3) $x-11$ (4) $-x-5$
(5) 1 (6) $-2x-8$

- 4 (1) $5x+5$ (2) $1.5x+3$
(3) $6x-\frac{1}{2}$ (4) $\frac{1}{5}x+7$
(5) $\frac{1}{9}x-8$ (6) $-x-1$



TEST まとめテスト③

P.100-101

- 1 (1) $-a$ (2) $5mn$ (3) $\frac{1}{10}x$
(4) $7(b-2)$ (5) $\frac{a+9}{4}$
(6) $-\frac{1}{8}$ (7) $\frac{1}{y}$ (8) $\frac{3x}{2}$
(9) $2a^2$ (10) $-x^2y$

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

- 3 (1) $11a$ (2) $-4x$ (3) $6y$
(4) m (5) $5a+13$ (6) $-3x-7$
(7) $-6x-5$ (8) $-x+4$
(9) $2x+3$ (10) $3x-2$
(11) $3x-2$ (12) $-5.5x-5$
(13) $12x+5$ (14) $5x-5$
(15) $\frac{2}{7}x+1$ (16) $\frac{7}{9}x-3$

45 1次式の減法(1)

P.102-103

- 1 (1) $-3x$ (2) $-4x$ (3) $-6m$
(4) $5a$ (5) $8n$ (6) $12x$

- 2 (1) $-1.8x$ (2) $-4.2m$ (3) $-\frac{2}{5}a$
(4) $\frac{4}{3}x$ (5) $\frac{2}{7}m$ (6) $\frac{3}{8}y$



- 3 (1) $-2x-3$ (2) $-3x-4$
(3) $-2x+5$ (4) $-6a+3$
(5) $3m-5$ (6) $-6y+7$
(7) $5x+4$ (8) $2m+8$

ヒント 「(6) $7-6y$ 」のように、項の順番が違ってても正解。

- 4 (1) $-4.3x-3$ (2) $-6.8x+8$
(3) $-\frac{2}{5}x+3$ (4) $-\frac{1}{4}x+4$
(5) $\frac{3}{8}a+\frac{1}{4}$ (6) $9x+\frac{3}{5}$

46 1次式の減法(2)

P.104-105

- 1 (1) $3x+1$ (2) $-2x-1$
(3) $6x-12$ (4) $-7x-4$
(5) $-3x+6$ (6) $5x-5$

- 2 (1) $3m+13$ (2) $-3m+7$
(3) $4x-5$ (4) $5m+1$
(5) $-6x+3$ (6) $-a+4$

- 3 (1) 4 (2) $-5x+4$
(3) $10x-8$ (4) $-x+2$
(5) $-6x+4$ (6) $-10x+5$

- 4 (1) $3.4x-9$ (2) $2.4x-3.5$
(3) $\frac{3}{5}x+1$ (4) $-2x+\frac{2}{3}$
(5) $\frac{5}{9}x-5$ (6) $\frac{7}{8}x-1$
(7) $-\frac{3}{4}x-1$ (8) $m+\frac{3}{4}$

47 1次式の減法(3)

P.106-107

- 1 (1) $x+1$ (2) $-2x+1$
(3) $2x-5$ (4) $x+1$
(5) $-x-9$ (6) $2x-2$

- 2 (1) $9m-1$ (2) $m+21$
(3) $8x-5$ (4) $3m+5$
(5) $12x+3$ (6) $13a-3$

- 3 (1) $5x+2$ (2) $-6x-12$
(3) $-10x+2$ (4) $-13x+5$
(5) $6x-16$ (6) $-7x+3$

- 4 (1) $1.5x-0.5$ (2) $4.2x-1$
(3) $\frac{3}{5}x+2$ (4) $-x+\frac{1}{2}$
(5) $\frac{2}{3}x+1$ (6) $-\frac{1}{4}x+6$
(7) $\frac{3}{2}x-1$ (8) $-m+\frac{1}{2}$

48 1次式と数の乗法

P.108-109

- 1 (1) $6x$ (2) $-12x$
(3) $6x-9$ (4) $-4x-8$
(5) $-16x-12$ (6) $-30x-15$
(7) $-21x-28$ (8) $-48x-30$

- 2 (1) $-6m$ (2) $9m$
(3) $-12x-33$ (4) $20m-28$
(5) $10x+55$ (6) $28a+12$

- 3 (1) $-14.4x+3$ (2) $-9m-18$
(3) $\frac{5}{3}x$ (4) $-\frac{8}{3}x$
(5) $\frac{5}{2}x-8$ (6) $-14x+4$

- 4 (1) $2x+6$ (2) $4x+14$
(3) $3x-24$ (4) $6x-3$
(5) $-6x-4$ (6) $4x-6$

49 1次式と数の除法

P.110-111

- 1 (1) $4x$ (2) $2a$ (3) $3m$ (4) $-8y$
(5) $-5x$ (6) $-3b$ (7) $12x$ (8) $8a$
(9) $\frac{3}{20}x$ (10) $10c$ (11) $-\frac{27}{2}a$ (12) $2x$

- 2 (1) $3x+7$ (2) $2a-5$
(3) $-x+3$ (4) $a-5$
(5) $5y-7$ (6) $-2m-5$
(7) $-6x-3$ (8) $-3a+7$
(9) $-3y+2$ (10) $5x+7$
(11) $5x-3$ (12) $2a+3$
(13) $\frac{2}{3}x+2$ (14) $-\frac{3}{2}n-3$
(15) $-7y+\frac{3}{2}$ (16) $2x+\frac{4}{3}$

50 いろいろな計算(1)

P.112-113

- 1 (1) $x+7$ (2) $x+1$
 (3) $3x+4$ (4) $8x+13$
 (5) $-8x-11$ (6) $-9x-1$

- 2 (1) $3x+14$ (2) $2x-2$
 (3) $8x-11$ (4) $12x+20$
 (5) $-4x+1$ (6) $-15x-4$

- 3 (1) $-2x-2$ (2) $-3x+11$
 (3) $-8x+13$ (4) $-12x-7$
 (5) $10x+25$ (6) $24x+32$

- 4 (1) $4x+2$ (2) $7x-6$
 (3) $23x-16$ (4) $8x+27$
 (5) -9 (6) $x+16$
 (7) $9x+20$ (8) $20x-45$

51 いろいろな計算(2)

P.114-115

- 1 (1) $x-5$ (2) $2x-8$
 (3) $6x+2$ (4) $6x-11$
 (5) $-4x+3$ (6) $-6x-18$

- 2 (1) $-x+4$ (2) $-2x+6$
 (3) $-12x+1$ (4) $-6x+18$
 (5) $4x-10$ (6) $6x+10$

- 3 (1) $-2x-3$ (2) $-6x$
 (3) $-6x-4$ (4) $-10x+11$
 (5) $4x-7$ (6) $15x+7$

- 4 (1) $3x+6$ (2) 6
 (3) $-2x+4$ (4) $-18x-6$
 (5) $-6x+28$ (6) $-13x-6$
 (7) -10 (8) $8x+10$

52 いろいろな計算(3)

P.116-117

- 1 (1) $5x+8$ (2) $7x+15$
 (3) $17x-15$ (4) $15x-36$
 (5) $13x-12$ (6) $-17x+36$

- 2 (1) $x-2$ (2) $x-18$
 (3) $8x+15$ (4) $9x-16$
 (5) $14x-15$ (6) $-26x+20$

- 3 (1) $5x+23$ (2) $7x+26$
 (3) $18x-9$ (4) $27x-62$
 (5) $-x-5$ (6) $-x-29$
 (7) $11x+29$ (8) -8

- 4 (1) $x+7$ (2) $-x+38$
 (3) $-6x-3$ (4) $-7x+28$
 (5) $-27x+63$ (6) $15x+27$

TEST まとめテスト④

P.118-119

- 1 (1) $3x-8$ (2) $-6x-6$
 (3) $2x-3$ (4) 9
 (5) $-3x+8$ (6) $6x+6$
 (7) $-1.2x-2.5$ (8) $\frac{1}{2}x-9$

- 2 (1) $-10a+6$ (2) $-12m+28$
 (3) $6x+10$ (4) $12x+9$
 (5) $4a$ (6) $3y$
 (7) $4x-2$ (8) $14x-8$

- 3 (1) $-x+9$ (2) $8x-3$
 (3) $14x+3$ (4) $4x+24$
 (5) $-8x+17$ (6) $-5x-37$
 (7) $8x+27$ (8) $2x+6$
 (9) $7x-9$ (10) $4x-8$
 (11) $2x-7$ (12) $x-3$
 (13) $6x$ (14) $x-34$
 (15) $-34x+26$ (16) $3x+6$