

すきプリ 中学数学

正負の数 除法の計算問題

もくじ

正負の数の除法【基本】

逆数を求める

除法の計算問題

問題

符号に注意して計算しましょう。

1

$$(-77) \div (+7)$$

2

$$(-46) \div (+1)$$

3

$$(+80) \div (+4)$$

4

$$(+10) \div (-10)$$

5

$$(+72) \div (+72)$$

6

$$(-90) \div (-1)$$

7

$$(+60) \div (-6)$$

8

$$(+48) \div (+6)$$

9

$$(-51) \div (-51)$$

10

$$(-19) \div (-1)$$

1

$$(-77) \div (+7) = -11$$

2

$$(-46) \div (+1) = -46$$

3

$$(+80) \div (+4) = 20$$

4

$$(+10) \div (-10) = -1$$

5

$$(+72) \div (+72) = 1$$

6

$$(-90) \div (-1) = 90$$

7

$$(+60) \div (-6) = -10$$

8

$$(+48) \div (+6) = 8$$

9

$$(-51) \div (-51) = 1$$

10

$$(-19) \div (-1) = 19$$

1

$$(-79) \div (+1)$$

2

$$(-50) \div (+50)$$

3

$$(+51) \div (-1)$$

4

$$(-100) \div (-5)$$

5

$$(-64) \div (+32)$$

6

$$(+42) \div (-7)$$

7

$$(+56) \div (-28)$$

8

$$(+77) \div (+77)$$

9

$$(-82) \div (+41)$$

10

$$(-70) \div (+2)$$

1

$$(-79) \div (+1) = -79$$

2

$$(-50) \div (+50) = -1$$

3

$$(+51) \div (-1) = -51$$

4

$$(-100) \div (-5) = 20$$

5

$$(-64) \div (+32) = -2$$

6

$$(+42) \div (-7) = -6$$

7

$$(+56) \div (-28) = -2$$

8

$$(+77) \div (+77) = 1$$

9

$$(-82) \div (+41) = -2$$

10

$$(-70) \div (+2) = -35$$

1

$$(-47) \div (+47)$$

2

$$(+20) \div (+5)$$

3

$$(+20) \div (+20)$$

4

$$(+76) \div (+19)$$

5

$$(+24) \div (+1)$$

6

$$(+99) \div (+1)$$

7

$$(-43) \div (-43)$$

8

$$(-45) \div (-45)$$

9

$$(-27) \div (-9)$$

10

$$(+63) \div (-7)$$

1

$$(-47) \div (+47) = -1$$

2

$$(+20) \div (+5) = 4$$

3

$$(+20) \div (+20) = 1$$

4

$$(+76) \div (+19) = 4$$

5

$$(+24) \div (+1) = 24$$

6

$$(+99) \div (+1) = 99$$

7

$$(-43) \div (-43) = 1$$

8

$$(-45) \div (-45) = 1$$

9

$$(-27) \div (-9) = 3$$

10

$$(+63) \div (-7) = -9$$

1

$$(-28) \div (+7)$$

2

$$(-98) \div (+1)$$

3

$$(+73) \div (-73)$$

4

$$(-93) \div (+1)$$

5

$$(+36) \div (-1)$$

6

$$(+12) \div (-4)$$

7

$$(+34) \div (+17)$$

8

$$(+80) \div (+8)$$

9

$$(+60) \div (+20)$$

10

$$(-54) \div (+3)$$

1

$$(-28) \div (+7) = -4$$

2

$$(-98) \div (+1) = -98$$

3

$$(+73) \div (-73) = -1$$

4

$$(-93) \div (+1) = -93$$

5

$$(+36) \div (-1) = -36$$

6

$$(+12) \div (-4) = -3$$

7

$$(+34) \div (+17) = 2$$

8

$$(+80) \div (+8) = 10$$

9

$$(+60) \div (+20) = 3$$

10

$$(-54) \div (+3) = -18$$

1

$$(+27) \div (+1)$$

2

$$(-60) \div (+6)$$

3

$$(-17) \div (-1)$$

4

$$(-58) \div (-2)$$

5

$$(+18) \div (-1)$$

6

$$(+80) \div (-10)$$

7

$$(+12) \div (-6)$$

8

$$(+14) \div (-1)$$

9

$$(+52) \div (+4)$$

10

$$(+76) \div (-4)$$

1

$$(+27) \div (+1) = 27$$

2

$$(-60) \div (+6) = -10$$

3

$$(-17) \div (-1) = 17$$

4

$$(-58) \div (-2) = 29$$

5

$$(+18) \div (-1) = -18$$

6

$$(+80) \div (-10) = -8$$

7

$$(+12) \div (-6) = -2$$

8

$$(+14) \div (-1) = -14$$

9

$$(+52) \div (+4) = 13$$

10

$$(+76) \div (-4) = -19$$

1

$$(+6) \div (-6)$$

2

$$(+77) \div (-1)$$

3

$$(-16) \div (-16)$$

4

$$(-75) \div (+3)$$

5

$$(+48) \div (+16)$$

6

$$(+48) \div (+2)$$

7

$$(-39) \div (+3)$$

8

$$(-61) \div (+61)$$

9

$$(+85) \div (+5)$$

10

$$(+72) \div (+6)$$

1

$$(+6) \div (-6) = -1$$

2

$$(+77) \div (-1) = -77$$

3

$$(-16) \div (-16) = 1$$

4

$$(-75) \div (+3) = -25$$

5

$$(+48) \div (+16) = 3$$

6

$$(+48) \div (+2) = 24$$

7

$$(-39) \div (+3) = -13$$

8

$$(-61) \div (+61) = -1$$

9

$$(+85) \div (+5) = 17$$

10

$$(+72) \div (+6) = 12$$

1

$$(+92) \div (-1)$$

2

$$(+52) \div (-13)$$

3

$$(+56) \div (+7)$$

4

$$(+72) \div (+36)$$

5

$$(+18) \div (+18)$$

6

$$(+48) \div (-4)$$

7

$$(-7) \div (-1)$$

8

$$(-16) \div (+2)$$

9

$$(+30) \div (+10)$$

10

$$(+94) \div (-2)$$

1

$$(+92) \div (-1) = -92$$

2

$$(+52) \div (-13) = -4$$

3

$$(+56) \div (+7) = 8$$

4

$$(+72) \div (+36) = 2$$

5

$$(+18) \div (+18) = 1$$

6

$$(+48) \div (-4) = -12$$

7

$$(-7) \div (-1) = 7$$

8

$$(-16) \div (+2) = -8$$

9

$$(+30) \div (+10) = 3$$

10

$$(+94) \div (-2) = -47$$

1

$$(-72) \div (-4)$$

2

$$(+99) \div (+33)$$

3

$$(+88) \div (-11)$$

4

$$(-10) \div (+10)$$

5

$$(+72) \div (-9)$$

6

$$(+80) \div (+2)$$

7

$$(+45) \div (-9)$$

8

$$(-42) \div (+14)$$

9

$$(+72) \div (-1)$$

10

$$(-72) \div (+18)$$

1

$$(-72) \div (-4) = 18$$

2

$$(+99) \div (+33) = 3$$

3

$$(+88) \div (-11) = -8$$

4

$$(-10) \div (+10) = -1$$

5

$$(+72) \div (-9) = -8$$

6

$$(+80) \div (+2) = 40$$

7

$$(+45) \div (-9) = -5$$

8

$$(-42) \div (+14) = -3$$

9

$$(+72) \div (-1) = -72$$

10

$$(-72) \div (+18) = -4$$

1

$$(+9) \div (+9)$$

2

$$(-5) \div (+1)$$

3

$$(-60) \div (+10)$$

4

$$(-96) \div (+4)$$

5

$$(+30) \div (-2)$$

6

$$(+30) \div (-30)$$

7

$$(+28) \div (+1)$$

8

$$(-78) \div (+2)$$

9

$$(-96) \div (-1)$$

10

$$(+36) \div (+9)$$

1

$$(+9) \div (+9) = 1$$

2

$$(-5) \div (+1) = -5$$

3

$$(-60) \div (+10) = -6$$

4

$$(-96) \div (+4) = -24$$

5

$$(+30) \div (-2) = -15$$

6

$$(+30) \div (-30) = -1$$

7

$$(+28) \div (+1) = 28$$

8

$$(-78) \div (+2) = -39$$

9

$$(-96) \div (-1) = 96$$

10

$$(+36) \div (+9) = 4$$

1

$$(-21) \div (+1)$$

2

$$(-90) \div (+6)$$

3

$$(+57) \div (-1)$$

4

$$(-55) \div (-1)$$

5

$$(-65) \div (+1)$$

6

$$(+62) \div (+31)$$

7

$$(+72) \div (+8)$$

8

$$(+66) \div (-6)$$

9

$$(-60) \div (+5)$$

10

$$(+68) \div (+68)$$

1

$$(-21) \div (+1) = -21$$

2

$$(-90) \div (+6) = -15$$

3

$$(+57) \div (-1) = -57$$

4

$$(-55) \div (-1) = 55$$

5

$$(-65) \div (+1) = -65$$

6

$$(+62) \div (+31) = 2$$

7

$$(+72) \div (+8) = 9$$

8

$$(+66) \div (-6) = -11$$

9

$$(-60) \div (+5) = -12$$

10

$$(+68) \div (+68) = 1$$

1

$$(+60) \div (+6)$$

2

$$(-88) \div (-88)$$

3

$$(+80) \div (+16)$$

4

$$(-39) \div (+39)$$

5

$$(-88) \div (-44)$$

6

$$(+45) \div (+5)$$

7

$$(-83) \div (+1)$$

8

$$(-24) \div (+24)$$

9

$$(-78) \div (-78)$$

10

$$(+80) \div (-20)$$

1

$$(+60) \div (+6) = 10$$

2

$$(-88) \div (-88) = 1$$

3

$$(+80) \div (+16) = 5$$

4

$$(-39) \div (+39) = -1$$

5

$$(-88) \div (-44) = 2$$

6

$$(+45) \div (+5) = 9$$

7

$$(-83) \div (+1) = -83$$

8

$$(-24) \div (+24) = -1$$

9

$$(-78) \div (-78) = 1$$

10

$$(+80) \div (-20) = -4$$

1

$$(+28) \div (+14)$$

2

$$(-36) \div (+2)$$

3

$$(+91) \div (+13)$$

4

$$(-99) \div (-3)$$

5

$$(+92) \div (+23)$$

6

$$(+73) \div (+1)$$

7

$$(-42) \div (+1)$$

8

$$(-80) \div (+1)$$

9

$$(+55) \div (-11)$$

10

$$(-55) \div (-55)$$

1

$$(+28) \div (+14) = 2$$

2

$$(-36) \div (+2) = -18$$

3

$$(+91) \div (+13) = 7$$

4

$$(-99) \div (-3) = 33$$

5

$$(+92) \div (+23) = 4$$

6

$$(+73) \div (+1) = 73$$

7

$$(-42) \div (+1) = -42$$

8

$$(-80) \div (+1) = -80$$

9

$$(+55) \div (-11) = -5$$

10

$$(-55) \div (-55) = 1$$

問題

次の数の逆数を答えましょう。

$$\textcircled{1}$$

$$-28$$

$$\textcircled{2}$$

$$\frac{10}{9}$$

$$\textcircled{3}$$

$$-0.1$$

$$\textcircled{4}$$

$$\frac{9}{8}$$

$$\textcircled{5}$$

$$-\frac{15}{11}$$

$$\textcircled{6}$$

$$0.4$$

①

$$-\frac{1}{28}$$

解き方

$$-28 = -\frac{28}{1} \text{ だから、逆数は } -\frac{1}{28}$$

②

$$\frac{9}{10}$$

解き方

$$\text{分子と分母を入れかえると逆数は } \frac{9}{10}$$

③

$$-10$$

解き方

$$-0.1 \text{ を分数に直すと } -\frac{1}{10} \text{ だから、} \\ \text{逆数は } -\frac{10}{1} = -10$$

④

$$\frac{8}{9}$$

解き方

$$\text{分子と分母を入れかえると逆数は } \frac{8}{9}$$

⑤

$$-\frac{11}{15}$$

解き方

$$\text{分子と分母を入れかえると逆数は } \\ -\frac{11}{15}$$

⑥

$$\frac{5}{2}$$

解き方

$$0.4 \text{ を分数に直すと } \frac{4}{10} \text{ だから、逆} \\ \text{数は } \frac{10}{4} = \frac{5}{2}$$

7

$$\frac{4}{11}$$

8

$$-\frac{6}{7}$$

9

$$-1.8$$

10

$$-\frac{7}{11}$$

11

$$-1.4$$

12

$$2.5$$

7

$$\frac{11}{4}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{11}{4}$$

8

$$-\frac{7}{6}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{7}{6}$$

9

$$-\frac{5}{9}$$

解き方

-1.8を分数に直すと $-\frac{18}{10}$ だから、

$$\text{逆数は } -\frac{10}{18} = -\frac{5}{9}$$

10

$$-\frac{11}{7}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{11}{7}$$

11

$$-\frac{5}{7}$$

解き方

-1.4を分数に直すと $-\frac{14}{10}$ だから、

$$\text{逆数は } -\frac{10}{14} = -\frac{5}{7}$$

12

$$\frac{2}{5}$$

解き方

2.5を分数に直すと $\frac{25}{10}$ だから、逆

$$\text{数は } \frac{10}{25} = \frac{2}{5}$$

13

$\frac{14}{3}$

14

11

15

-2.6

16

0.2

17

2.4

18

-1.6

13

$$\frac{3}{14}$$

解き方

分子と分母を入れかえると逆数は
 $\frac{3}{14}$

14

$$\frac{1}{11}$$

解き方

$11 = \frac{11}{1}$ だから、逆数は $\frac{1}{11}$

15

$$-\frac{5}{13}$$

解き方

-2.6 を分数に直すと $-\frac{26}{10}$ だから、
 逆数は $-\frac{10}{26} = -\frac{5}{13}$

16

5

解き方

0.2 を分数に直すと $\frac{2}{10}$ だから、逆
 数は $\frac{10}{2} = 5$

17

$$\frac{5}{12}$$

解き方

2.4 を分数に直すと $\frac{24}{10}$ だから、逆
 数は $\frac{10}{24} = \frac{5}{12}$

18

$$-\frac{5}{8}$$

解き方

-1.6 を分数に直すと $-\frac{16}{10}$ だから、
 逆数は $-\frac{10}{16} = -\frac{5}{8}$

19

1.1

20

1.5

21

-21

22

$\frac{5}{12}$

23

$-\frac{4}{9}$

24

12

19

$$\frac{10}{11}$$

解き方

1.1 を分数に直すと $\frac{11}{10}$ だから、逆

数は $\frac{10}{11}$

20

$$\frac{2}{3}$$

解き方

1.5 を分数に直すと $\frac{15}{10}$ だから、逆

数は $\frac{10}{15} = \frac{2}{3}$

21

$$-\frac{1}{21}$$

解き方

$-21 = -\frac{21}{1}$ だから、逆数は $-\frac{1}{21}$

22

$$\frac{12}{5}$$

解き方

分子と分母を入れかえると逆数は $\frac{12}{5}$

23

$$-\frac{9}{4}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{9}{4}$$

24

$$\frac{1}{12}$$

解き方

$12 = \frac{12}{1}$ だから、逆数は $\frac{1}{12}$

25

$$\frac{15}{13}$$

26

$$\frac{10}{13}$$

27

$$-1.7$$

28

$$14$$

29

$$\frac{2}{13}$$

30

$$\frac{1}{12}$$

25

$$\frac{13}{15}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{13}{15}$$

26

$$\frac{13}{10}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{13}{10}$$

27

$$-\frac{10}{17}$$

解き方

-1.7を分数に直すと $-\frac{17}{10}$ だから、

逆数は $-\frac{10}{17}$

28

$$\frac{1}{14}$$

解き方

$14 = \frac{14}{1}$ だから、逆数は $\frac{1}{14}$

29

$$\frac{13}{2}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{13}{2}$$

30

$$12$$

解き方

分子と分母を入れかえると $\frac{12}{1}$ だ

から、逆数は12

①

$$\frac{4}{13}$$

②

$$-11$$

③

$$-\frac{10}{3}$$

④

$$26$$

⑤

$$2.3$$

⑥

$$\frac{7}{11}$$

①

$$\frac{13}{4}$$

解き方

分子と分母を入れかえると逆数は
 $\frac{13}{4}$

②

$$-\frac{1}{11}$$

解き方

$-11 = -\frac{11}{1}$ だから、逆数は $-\frac{1}{11}$

③

$$-\frac{3}{10}$$

解き方

分子と分母を入れかえると逆数は
 $-\frac{3}{10}$

④

$$\frac{1}{26}$$

解き方

$26 = \frac{26}{1}$ だから、逆数は $\frac{1}{26}$

⑤

$$\frac{10}{23}$$

解き方

2.3 を分数に直すと $\frac{23}{10}$ だから、逆
数は $\frac{10}{23}$

⑥

$$\frac{11}{7}$$

解き方

分子と分母を入れかえると逆数は
 $\frac{11}{7}$

7

$$\frac{10}{11}$$

8

$$\frac{7}{5}$$

9

$$\frac{11}{12}$$

10

$$\frac{3}{2}$$

11

$$\frac{13}{2}$$

12

$$0.6$$

7

$$\frac{11}{10}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{11}{10}$$

8

$$\frac{5}{7}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{5}{7}$$

9

$$\frac{12}{11}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{12}{11}$$

10

$$\frac{2}{3}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{2}{3}$$

11

$$\frac{2}{13}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{2}{13}$$

12

$$\frac{5}{3}$$

解き方

0.6 を分数に直すと $\frac{6}{10}$ だから、逆

$$\text{数は } \frac{10}{6} = \frac{5}{3}$$

13

$$-\frac{1}{7}$$

14

$$\frac{8}{3}$$

15

$$-12$$

16

$$-2.8$$

17

$$\frac{10}{7}$$

18

$$-\frac{7}{10}$$

13

$$-7$$

解き方

分子と分母を入れかえると $-\frac{7}{1}$ だから、逆数は -7

14

$$\frac{3}{8}$$

解き方

分子と分母を入れかえると逆数は $\frac{3}{8}$

15

$$-\frac{1}{12}$$

解き方

$-12 = -\frac{12}{1}$ だから、逆数は $-\frac{1}{12}$

16

$$-\frac{5}{14}$$

解き方

-2.8 を分数に直すと $-\frac{28}{10}$ だから、
逆数は $-\frac{10}{28} = -\frac{5}{14}$

17

$$\frac{7}{10}$$

解き方

分子と分母を入れかえると逆数は $\frac{7}{10}$

18

$$-\frac{10}{7}$$

解き方

分子と分母を入れかえると逆数は $-\frac{10}{7}$

19

-2.3

20

25

21

$-\frac{12}{7}$

22

$\frac{11}{14}$

23

$\frac{13}{6}$

24

1.3

19

$$-\frac{10}{23}$$

解き方

-2.3 を分数に直すと $-\frac{23}{10}$ だから、

$$\text{逆数は } -\frac{10}{23}$$

20

$$\frac{1}{25}$$

解き方

$25 = \frac{25}{1}$ だから、逆数は $\frac{1}{25}$

21

$$-\frac{7}{12}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{7}{12}$$

22

$$\frac{14}{11}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{14}{11}$$

23

$$\frac{6}{13}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{6}{13}$$

24

$$\frac{10}{13}$$

解き方

1.3 を分数に直すと $\frac{13}{10}$ だから、逆

$$\text{数は } \frac{10}{13}$$

25

$$-\frac{11}{12}$$

26

$$-18$$

27

$$\frac{7}{10}$$

28

$$-\frac{9}{13}$$

29

$$0.1$$

30

$$-0.7$$

25

$$-\frac{12}{11}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{12}{11}$$

26

$$-\frac{1}{18}$$

解き方

$-18 = -\frac{18}{1}$ だから、逆数は $-\frac{1}{18}$

27

$$\frac{10}{7}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{10}{7}$$

28

$$-\frac{13}{9}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{13}{9}$$

29

10

解き方

0.1 を分数に直すと $\frac{1}{10}$ だから、逆

数は $\frac{10}{1} = 10$

30

$$-\frac{10}{7}$$

解き方

-0.7 を分数に直すと $-\frac{7}{10}$ だから、

逆数は $-\frac{10}{7}$

1

$$\frac{9}{7}$$

2

$$-\frac{13}{15}$$

3

$$\frac{13}{4}$$

4

$$-\frac{11}{4}$$

5

$$-\frac{14}{13}$$

6

$$\frac{5}{3}$$

1

$$\frac{7}{9}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{7}{9}$$

2

$$-\frac{15}{13}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{15}{13}$$

3

$$\frac{4}{13}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{4}{13}$$

4

$$-\frac{4}{11}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{4}{11}$$

5

$$-\frac{13}{14}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{13}{14}$$

6

$$\frac{3}{5}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{3}{5}$$

7

$$\frac{3}{13}$$

8

$$\frac{4}{5}$$

9

$$\frac{12}{5}$$

10

$$-\frac{9}{4}$$

11

$$-1.2$$

12

$$-2.7$$

7

$$\frac{13}{3}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{13}{3}$$

8

$$\frac{5}{4}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{5}{4}$$

9

$$\frac{5}{12}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{5}{12}$$

10

$$-\frac{4}{9}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{4}{9}$$

11

$$-\frac{5}{6}$$

解き方

-1.2を分数に直すと $-\frac{12}{10}$ だから、

$$\text{逆数は } -\frac{10}{12} = -\frac{5}{6}$$

12

$$-\frac{10}{27}$$

解き方

-2.7を分数に直すと $-\frac{27}{10}$ だから、

$$\text{逆数は } -\frac{10}{27}$$

$$\begin{array}{c} \textcircled{13} \\ -\frac{7}{3} \end{array}$$

$$\begin{array}{c} \textcircled{14} \\ -\frac{8}{11} \end{array}$$

$$\begin{array}{c} \textcircled{15} \\ -\frac{1}{9} \end{array}$$

$$\begin{array}{c} \textcircled{16} \\ -30 \end{array}$$

$$\begin{array}{c} \textcircled{17} \\ -\frac{9}{2} \end{array}$$

$$\begin{array}{c} \textcircled{18} \\ 20 \end{array}$$

13

$$-\frac{3}{7}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{3}{7}$$

14

$$-\frac{11}{8}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{11}{8}$$

15

$$-9$$

解き方

分子と分母を入れかえると $-\frac{9}{1}$ だから、逆数は -9

16

$$-\frac{1}{30}$$

解き方

 $-30 = -\frac{30}{1}$ だから、逆数は $-\frac{1}{30}$

17

$$-\frac{2}{9}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{2}{9}$$

18

$$\frac{1}{20}$$

解き方

 $20 = \frac{20}{1}$ だから、逆数は $\frac{1}{20}$

19

$$\frac{3}{10}$$

20

$$-\frac{11}{7}$$

21

$$-\frac{13}{14}$$

22

$$\frac{7}{12}$$

23

$$\frac{9}{14}$$

24

$$\frac{6}{7}$$

19

$$\frac{10}{3}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{10}{3}$$

20

$$-\frac{7}{11}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{7}{11}$$

21

$$-\frac{14}{13}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{14}{13}$$

22

$$\frac{12}{7}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{12}{7}$$

23

$$\frac{14}{9}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{14}{9}$$

24

$$\frac{7}{6}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{7}{6}$$

25

$$\frac{6}{11}$$

26

$$-1$$

27

$$-\frac{15}{7}$$

28

$$\frac{15}{8}$$

29

$$\frac{6}{13}$$

30

$$-\frac{14}{11}$$

25

$$\frac{11}{6}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{11}{6}$$

26

$$-1$$

解き方

$-1 = -\frac{1}{1}$ だから、逆数は -1

27

$$-\frac{7}{15}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{7}{15}$$

28

$$\frac{8}{15}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{8}{15}$$

29

$$\frac{13}{6}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{13}{6}$$

30

$$-\frac{11}{14}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{11}{14}$$

①

$$-\frac{11}{5}$$

②

$$-\frac{8}{3}$$

③

$$-1.9$$

④

$$-\frac{5}{13}$$

⑤

$$\frac{4}{3}$$

⑥

$$16$$

①

$$-\frac{5}{11}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{5}{11}$$

②

$$-\frac{3}{8}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{3}{8}$$

③

$$-\frac{10}{19}$$

解き方

-1.9を分数に直すと $-\frac{19}{10}$ だから、

逆数は $-\frac{10}{19}$

④

$$-\frac{13}{5}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{13}{5}$$

⑤

$$\frac{3}{4}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{3}{4}$$

⑥

$$\frac{1}{16}$$

解き方

$16 = \frac{16}{1}$ だから、逆数は $\frac{1}{16}$

7

$$-\frac{4}{11}$$

8

$$-\frac{7}{8}$$

9

13

10

$$\frac{14}{15}$$

11

$$-\frac{13}{10}$$

12

1.9

7

$$-\frac{11}{4}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{11}{4}$$

8

$$-\frac{8}{7}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{8}{7}$$

9

$$\frac{1}{13}$$

解き方

$13 = \frac{13}{1}$ だから、逆数は $\frac{1}{13}$

10

$$\frac{15}{14}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{15}{14}$$

11

$$-\frac{10}{13}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{10}{13}$$

12

$$\frac{10}{19}$$

解き方

1.9 を分数に直すと $\frac{19}{10}$ だから、逆

数は $\frac{10}{19}$

13

1.8

14

$\frac{11}{10}$

15

$\frac{4}{15}$

16

$\frac{1}{11}$

17

22

18

$\frac{2}{7}$

13

$$\frac{5}{9}$$

解き方

1.8 を分数に直すと $\frac{18}{10}$ だから、逆

数は $\frac{10}{18} = \frac{5}{9}$

14

$$\frac{10}{11}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{10}{11}$$

15

$$\frac{15}{4}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{15}{4}$$

16

$$11$$

解き方

分子と分母を入れかえると $\frac{11}{1}$ だ

から、逆数は 11

17

$$\frac{1}{22}$$

解き方

$22 = \frac{22}{1}$ だから、逆数は $\frac{1}{22}$

18

$$\frac{7}{2}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{7}{2}$$

19

$$\frac{5}{2}$$

20

$$-\frac{2}{9}$$

21

$$\frac{7}{4}$$

22

$$-\frac{6}{11}$$

23

$$-2$$

24

$$\frac{9}{10}$$

19

$$\frac{2}{5}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{2}{5}$$

20

$$-\frac{9}{2}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{9}{2}$$

21

$$\frac{4}{7}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{4}{7}$$

22

$$-\frac{11}{6}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{11}{6}$$

23

$$-\frac{1}{2}$$

解き方

$-2 = -\frac{2}{1}$ だから、逆数は $-\frac{1}{2}$

24

$$\frac{10}{9}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{10}{9}$$

$$\begin{array}{c} \textcircled{25} \\ -\frac{3}{11} \end{array}$$

$$\begin{array}{c} \textcircled{26} \\ -\frac{5}{3} \end{array}$$

$$\begin{array}{c} \textcircled{27} \\ -\frac{5}{2} \end{array}$$

$$\begin{array}{c} \textcircled{28} \\ \frac{7}{6} \end{array}$$

$$\begin{array}{c} \textcircled{29} \\ -\frac{7}{6} \end{array}$$

$$\begin{array}{c} \textcircled{30} \\ \frac{13}{7} \end{array}$$

25

$$-\frac{11}{3}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{11}{3}$$

26

$$-\frac{3}{5}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{3}{5}$$

27

$$-\frac{2}{5}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{2}{5}$$

28

$$\frac{6}{7}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{6}{7}$$

29

$$-\frac{6}{7}$$

解き方

分子と分母を入れかえると逆数は

$$-\frac{6}{7}$$

30

$$\frac{7}{13}$$

解き方

分子と分母を入れかえると逆数は

$$\frac{7}{13}$$

問題

次の除法を計算しましょう。

①

$$(+3) \div \left(-\frac{3}{19}\right)$$

②

$$-\frac{3}{16} \div \left(+\frac{3}{2}\right)$$

③

$$-\frac{4}{9} \div (+4)$$

④

$$\left(-\frac{19}{15}\right) \div \frac{19}{18}$$

⑤

$$-\frac{8}{5} \div \left(+\frac{9}{5}\right)$$

⑥

$$\left(-\frac{1}{14}\right) \div \frac{3}{14}$$

⑦

$$\left(+\frac{10}{3}\right) \div \frac{5}{12}$$

⑧

$$-\frac{19}{4} \div \left(+\frac{19}{7}\right)$$

1

$$\begin{aligned}
 & (+3) \div \left(-\frac{3}{19}\right) \\
 &= 3 \times \left(-\frac{19}{3}\right) \\
 &= -19
 \end{aligned}$$

2

$$\begin{aligned}
 & -\frac{3}{16} \div \left(+\frac{3}{2}\right) \\
 &= -\frac{3}{16} \times \frac{2}{3} \\
 &= -\frac{1}{8}
 \end{aligned}$$

3

$$\begin{aligned}
 & -\frac{4}{9} \div (+4) \\
 &= -\frac{4}{9} \times \frac{1}{4} \\
 &= -\frac{1}{9}
 \end{aligned}$$

4

$$\begin{aligned}
 & \left(-\frac{19}{15}\right) \div \frac{19}{18} \\
 &= -\frac{19}{15} \times \frac{18}{19} \\
 &= -\frac{6}{5}
 \end{aligned}$$

5

$$\begin{aligned}
 & -\frac{8}{5} \div \left(+\frac{9}{5}\right) \\
 &= -\frac{8}{5} \times \frac{5}{9} \\
 &= -\frac{8}{9}
 \end{aligned}$$

6

$$\begin{aligned}
 & \left(-\frac{1}{14}\right) \div \frac{3}{14} \\
 &= -\frac{1}{14} \times \frac{14}{3} \\
 &= -\frac{1}{3}
 \end{aligned}$$

7

$$\begin{aligned}
 & \left(+\frac{10}{3}\right) \div \frac{5}{12} \\
 &= \frac{10}{3} \times \frac{12}{5} \\
 &= 8
 \end{aligned}$$

8

$$\begin{aligned}
 & -\frac{19}{4} \div \left(+\frac{19}{7}\right) \\
 &= -\frac{19}{4} \times \frac{7}{19} \\
 &= -\frac{7}{4}
 \end{aligned}$$

9

$$\left(+\frac{5}{8}\right) \div \left(+\frac{3}{4}\right)$$

10

$$\left(+\frac{6}{17}\right) \div \left(+\frac{20}{17}\right)$$

11

$$(+18) \div 3$$

12

$$\frac{18}{7} \div \left(-\frac{3}{14}\right)$$

13

$$-\frac{4}{9} \div \left(-\frac{14}{9}\right)$$

14

$$\left(-\frac{15}{8}\right) \div \left(-\frac{5}{8}\right)$$

15

$$-\frac{5}{4} \div \left(+\frac{15}{16}\right)$$

16

$$-\frac{5}{2} \div \left(+\frac{5}{9}\right)$$

9

$$\begin{aligned} & \left(+\frac{5}{8}\right) \div \left(+\frac{3}{4}\right) \\ &= \frac{5}{8} \times \frac{4}{3} \\ &= \frac{5}{6} \end{aligned}$$

10

$$\begin{aligned} & \left(+\frac{6}{17}\right) \div \left(+\frac{20}{17}\right) \\ &= \frac{6}{17} \times \frac{17}{20} \\ &= \frac{3}{10} \end{aligned}$$

11

$$(+18) \div 3 = 6$$

12

$$\begin{aligned} & \frac{18}{7} \div \left(-\frac{3}{14}\right) \\ &= \frac{18}{7} \times \left(-\frac{14}{3}\right) \\ &= -12 \end{aligned}$$

13

$$\begin{aligned} & -\frac{4}{9} \div \left(-\frac{14}{9}\right) \\ &= -\frac{4}{9} \times \left(-\frac{9}{14}\right) \\ &= \frac{2}{7} \end{aligned}$$

14

$$\begin{aligned} & \left(-\frac{15}{8}\right) \div \left(-\frac{5}{8}\right) \\ &= -\frac{15}{8} \times \left(-\frac{8}{5}\right) \\ &= 3 \end{aligned}$$

15

$$\begin{aligned} & -\frac{5}{4} \div \left(+\frac{15}{16}\right) \\ &= -\frac{5}{4} \times \frac{16}{15} \\ &= -\frac{4}{3} \end{aligned}$$

16

$$\begin{aligned} & -\frac{5}{2} \div \left(+\frac{5}{9}\right) \\ &= -\frac{5}{2} \times \frac{9}{5} \\ &= -\frac{9}{2} \end{aligned}$$

17

$$-\frac{17}{13} \div \left(+\frac{17}{13}\right)$$

18

$$\left(-\frac{1}{10}\right) \div \left(+\frac{1}{5}\right)$$

19

$$12 \div \left(-\frac{6}{19}\right)$$

20

$$\frac{3}{20} \div \left(-\frac{1}{12}\right)$$

21

$$(-11) \div \left(-\frac{1}{2}\right)$$

22

$$28 \div \left(+\frac{4}{5}\right)$$

23

$$(-8) \div \frac{2}{3}$$

24

$$\frac{7}{16} \div \left(-\frac{7}{2}\right)$$

17

$$-\frac{17}{13} \div \left(+\frac{17}{13}\right) = -1$$

18

$$\begin{aligned} & \left(-\frac{1}{10}\right) \div \left(+\frac{1}{5}\right) \\ &= -\frac{1}{10} \times 5 \\ &= -\frac{1}{2} \end{aligned}$$

19

$$\begin{aligned} & 12 \div \left(-\frac{6}{19}\right) \\ &= 12 \times \left(-\frac{19}{6}\right) \\ &= -38 \end{aligned}$$

20

$$\begin{aligned} & \frac{3}{20} \div \left(-\frac{1}{12}\right) \\ &= \frac{3}{20} \times (-12) \\ &= -\frac{9}{5} \end{aligned}$$

21

$$\begin{aligned} & (-11) \div \left(-\frac{1}{2}\right) \\ &= -11 \times (-2) \\ &= 22 \end{aligned}$$

22

$$\begin{aligned} & 28 \div \left(+\frac{4}{5}\right) \\ &= 28 \times \frac{5}{4} \\ &= 35 \end{aligned}$$

23

$$\begin{aligned} & (-8) \div \frac{2}{3} \\ &= -8 \times \frac{3}{2} \\ &= -12 \end{aligned}$$

24

$$\begin{aligned} & \frac{7}{16} \div \left(-\frac{7}{2}\right) \\ &= \frac{7}{16} \times \left(-\frac{2}{7}\right) \\ &= -\frac{1}{8} \end{aligned}$$

25

$$\left(+\frac{1}{20}\right) \div \frac{1}{8}$$

26

$$-\frac{9}{7} \div \frac{9}{4}$$

27

$$\frac{1}{5} \div (-2)$$

28

$$\left(+\frac{5}{8}\right) \div \frac{1}{4}$$

29

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

30

$$-\frac{15}{19} \div \left(+\frac{10}{19}\right)$$

31

$$-\frac{4}{7} \div \left(+\frac{4}{7}\right)$$

32

$$-\frac{1}{6} \div \left(+\frac{3}{8}\right)$$

25

$$\begin{aligned} & \left(+\frac{1}{20}\right) \div \frac{1}{8} \\ &= \frac{1}{20} \times 8 \\ &= \frac{2}{5} \end{aligned}$$

26

$$\begin{aligned} & -\frac{9}{7} \div \frac{9}{4} \\ &= -\frac{9}{7} \times \frac{4}{9} \\ &= -\frac{4}{7} \end{aligned}$$

27

$$\begin{aligned} & \frac{1}{5} \div (-2) \\ &= \frac{1}{5} \times \left(-\frac{1}{2}\right) \\ &= -\frac{1}{10} \end{aligned}$$

28

$$\begin{aligned} & \left(+\frac{5}{8}\right) \div \frac{1}{4} \\ &= \frac{5}{8} \times 4 \\ &= \frac{5}{2} \end{aligned}$$

29

$$\begin{aligned} & -\frac{2}{5} \div \left(-\frac{1}{4}\right) \\ &= -\frac{2}{5} \times (-4) \\ &= \frac{8}{5} \end{aligned}$$

30

$$\begin{aligned} & -\frac{15}{19} \div \left(+\frac{10}{19}\right) \\ &= -\frac{15}{19} \times \frac{19}{10} \\ &= -\frac{3}{2} \end{aligned}$$

31

$$-\frac{4}{7} \div \left(+\frac{4}{7}\right) = -1$$

32

$$\begin{aligned} & -\frac{1}{6} \div \left(+\frac{3}{8}\right) \\ &= -\frac{1}{6} \times \frac{8}{3} \\ &= -\frac{4}{9} \end{aligned}$$

33

$$18 \div \left(-\frac{9}{11}\right)$$

34

$$-\frac{14}{3} \div \frac{14}{5}$$

35

$$\frac{11}{12} \div \frac{11}{14}$$

36

$$\left(+\frac{17}{2}\right) \div \left(-\frac{17}{18}\right)$$

37

$$20 \div \frac{5}{17}$$

38

$$\left(-\frac{9}{4}\right) \div \frac{9}{14}$$

39

$$\frac{3}{13} \div \frac{8}{13}$$

40

$$\left(-\frac{18}{13}\right) \div \frac{1}{13}$$

33

$$\begin{aligned}
 & 18 \div \left(-\frac{9}{11}\right) \\
 &= 18 \times \left(-\frac{11}{9}\right) \\
 &= -22
 \end{aligned}$$

34

$$\begin{aligned}
 & -\frac{14}{3} \div \frac{14}{5} \\
 &= -\frac{14}{3} \times \frac{5}{14} \\
 &= -\frac{5}{3}
 \end{aligned}$$

35

$$\begin{aligned}
 & \frac{11}{12} \div \frac{11}{14} \\
 &= \frac{11}{12} \times \frac{14}{11} \\
 &= \frac{7}{6}
 \end{aligned}$$

36

$$\begin{aligned}
 & \left(+\frac{17}{2}\right) \div \left(-\frac{17}{18}\right) \\
 &= \frac{17}{2} \times \left(-\frac{18}{17}\right) \\
 &= -9
 \end{aligned}$$

37

$$\begin{aligned}
 & 20 \div \frac{5}{17} \\
 &= 20 \times \frac{17}{5} \\
 &= 68
 \end{aligned}$$

38

$$\begin{aligned}
 & \left(-\frac{9}{4}\right) \div \frac{9}{14} \\
 &= -\frac{9}{4} \times \frac{14}{9} \\
 &= -\frac{7}{2}
 \end{aligned}$$

39

$$\begin{aligned}
 & \frac{3}{13} \div \frac{8}{13} \\
 &= \frac{3}{13} \times \frac{13}{8} \\
 &= \frac{3}{8}
 \end{aligned}$$

40

$$\begin{aligned}
 & \left(-\frac{18}{13}\right) \div \frac{1}{13} \\
 &= -\frac{18}{13} \times 13 \\
 &= -18
 \end{aligned}$$

$$\textcircled{1}$$

$$(+6) \div \left(+\frac{1}{15}\right)$$

$$\textcircled{2}$$

$$29 \div (-1)$$

$$\textcircled{3}$$

$$\left(+\frac{13}{5}\right) \div \left(+\frac{1}{10}\right)$$

$$\textcircled{4}$$

$$\frac{5}{16} \div \left(-\frac{5}{18}\right)$$

$$\textcircled{5}$$

$$\frac{1}{4} \div \left(+\frac{5}{12}\right)$$

$$\textcircled{6}$$

$$(+30) \div \left(-\frac{2}{3}\right)$$

$$\textcircled{7}$$

$$\frac{7}{16} \div \left(+\frac{7}{20}\right)$$

$$\textcircled{8}$$

$$\left(+\frac{13}{3}\right) \div \left(-\frac{13}{7}\right)$$

1

$$\begin{aligned} & (+6) \div \left(+\frac{1}{15}\right) \\ &= 6 \times 15 \\ &= 90 \end{aligned}$$

2

$$29 \div (-1) = -29$$

3

$$\begin{aligned} & \left(+\frac{13}{5}\right) \div \left(+\frac{1}{10}\right) \\ &= \frac{13}{5} \times 10 \\ &= 26 \end{aligned}$$

4

$$\begin{aligned} & \frac{5}{16} \div \left(-\frac{5}{18}\right) \\ &= \frac{5}{16} \times \left(-\frac{18}{5}\right) \\ &= -\frac{9}{8} \end{aligned}$$

5

$$\begin{aligned} & \frac{1}{4} \div \left(+\frac{5}{12}\right) \\ &= \frac{1}{4} \times \frac{12}{5} \\ &= \frac{3}{5} \end{aligned}$$

6

$$\begin{aligned} & (+30) \div \left(-\frac{2}{3}\right) \\ &= 30 \times \left(-\frac{3}{2}\right) \\ &= -45 \end{aligned}$$

7

$$\begin{aligned} & \frac{7}{16} \div \left(+\frac{7}{20}\right) \\ &= \frac{7}{16} \times \frac{20}{7} \\ &= \frac{5}{4} \end{aligned}$$

8

$$\begin{aligned} & \left(+\frac{13}{3}\right) \div \left(-\frac{13}{7}\right) \\ &= \frac{13}{3} \times \left(-\frac{7}{13}\right) \\ &= -\frac{7}{3} \end{aligned}$$

9

$$\frac{9}{7} \div (+9)$$

10

$$\left(+\frac{1}{5}\right) \div (+1)$$

11

$$-10 \div \left(-\frac{10}{9}\right)$$

12

$$\left(-\frac{8}{17}\right) \div \left(-\frac{16}{17}\right)$$

13

$$\frac{20}{9} \div \left(+\frac{8}{3}\right)$$

14

$$\left(-\frac{3}{2}\right) \div (-2)$$

15

$$\left(+\frac{17}{10}\right) \div \frac{1}{20}$$

16

$$\left(-\frac{14}{3}\right) \div \left(-\frac{7}{15}\right)$$

9

$$\begin{aligned} & \frac{9}{7} \div (+9) \\ &= \frac{9}{7} \times \frac{1}{9} \\ &= \frac{1}{7} \end{aligned}$$

10

$$\begin{aligned} & \left(+\frac{1}{5}\right) \div (+1) \\ &= \frac{1}{5} \times 1 \\ &= \frac{1}{5} \end{aligned}$$

11

$$\begin{aligned} & -10 \div \left(-\frac{10}{9}\right) \\ &= -10 \times \left(-\frac{9}{10}\right) \\ &= 9 \end{aligned}$$

12

$$\begin{aligned} & \left(-\frac{8}{17}\right) \div \left(-\frac{16}{17}\right) \\ &= -\frac{8}{17} \times \left(-\frac{17}{16}\right) \\ &= \frac{1}{2} \end{aligned}$$

13

$$\begin{aligned} & \frac{20}{9} \div \left(+\frac{8}{3}\right) \\ &= \frac{20}{9} \times \frac{3}{8} \\ &= \frac{5}{6} \end{aligned}$$

14

$$\begin{aligned} & \left(-\frac{3}{2}\right) \div (-2) \\ &= -\frac{3}{2} \times \left(-\frac{1}{2}\right) \\ &= \frac{3}{4} \end{aligned}$$

15

$$\begin{aligned} & \left(+\frac{17}{10}\right) \div \frac{1}{20} \\ &= \frac{17}{10} \times 20 \\ &= 34 \end{aligned}$$

16

$$\begin{aligned} & \left(-\frac{14}{3}\right) \div \left(-\frac{7}{15}\right) \\ &= -\frac{14}{3} \times \left(-\frac{15}{7}\right) \\ &= 10 \end{aligned}$$

17

$$-7 \div \left(-\frac{7}{15}\right)$$

18

$$\left(-\frac{8}{9}\right) \div \left(+\frac{4}{3}\right)$$

19

$$\frac{5}{8} \div \frac{5}{4}$$

20

$$\frac{4}{11} \div \frac{3}{11}$$

21

$$\frac{17}{5} \div \frac{17}{20}$$

22

$$\left(+\frac{3}{17}\right) \div \frac{12}{17}$$

23

$$\left(-\frac{2}{11}\right) \div \left(+\frac{18}{11}\right)$$

24

$$\frac{1}{5} \div \left(-\frac{7}{20}\right)$$

17

$$\begin{aligned}
 & -7 \div \left(-\frac{7}{15}\right) \\
 &= -7 \times \left(-\frac{15}{7}\right) \\
 &= 15
 \end{aligned}$$

18

$$\begin{aligned}
 & \left(-\frac{8}{9}\right) \div \left(+\frac{4}{3}\right) \\
 &= -\frac{8}{9} \times \frac{3}{4} \\
 &= -\frac{2}{3}
 \end{aligned}$$

19

$$\begin{aligned}
 & \frac{5}{8} \div \frac{5}{4} \\
 &= \frac{5}{8} \times \frac{4}{5} \\
 &= \frac{1}{2}
 \end{aligned}$$

20

$$\begin{aligned}
 & \frac{4}{11} \div \frac{3}{11} \\
 &= \frac{4}{11} \times \frac{11}{3} \\
 &= \frac{4}{3}
 \end{aligned}$$

21

$$\begin{aligned}
 & \frac{17}{5} \div \frac{17}{20} \\
 &= \frac{17}{5} \times \frac{20}{17} \\
 &= 4
 \end{aligned}$$

22

$$\begin{aligned}
 & \left(+\frac{3}{17}\right) \div \frac{12}{17} \\
 &= \frac{3}{17} \times \frac{17}{12} \\
 &= \frac{1}{4}
 \end{aligned}$$

23

$$\begin{aligned}
 & \left(-\frac{2}{11}\right) \div \left(+\frac{18}{11}\right) \\
 &= -\frac{2}{11} \times \frac{11}{18} \\
 &= -\frac{1}{9}
 \end{aligned}$$

24

$$\begin{aligned}
 & \frac{1}{5} \div \left(-\frac{7}{20}\right) \\
 &= \frac{1}{5} \times \left(-\frac{20}{7}\right) \\
 &= -\frac{4}{7}
 \end{aligned}$$

25

$$-\frac{5}{16} \div \left(+\frac{7}{16}\right)$$

26

$$(-11) \div \frac{11}{8}$$

27

$$(-20) \div \left(+\frac{4}{15}\right)$$

28

$$-1 \div (-10)$$

29

$$(+18) \div \frac{2}{13}$$

30

$$(+5) \div \frac{5}{14}$$

31

$$-\frac{8}{3} \div \left(-\frac{1}{3}\right)$$

32

$$\frac{15}{13} \div \left(+\frac{1}{13}\right)$$

25

$$\begin{aligned}
 & -\frac{5}{16} \div \left(+\frac{7}{16}\right) \\
 &= -\frac{5}{16} \times \frac{16}{7} \\
 &= -\frac{5}{7}
 \end{aligned}$$

26

$$\begin{aligned}
 & (-11) \div \frac{11}{8} \\
 &= -11 \times \frac{8}{11} \\
 &= -8
 \end{aligned}$$

27

$$\begin{aligned}
 & (-20) \div \left(+\frac{4}{15}\right) \\
 &= -20 \times \frac{15}{4} \\
 &= -75
 \end{aligned}$$

28

$$\begin{aligned}
 & -1 \div (-10) \\
 &= -1 \times \left(-\frac{1}{10}\right) \\
 &= \frac{1}{10}
 \end{aligned}$$

29

$$\begin{aligned}
 & (+18) \div \frac{2}{13} \\
 &= 18 \times \frac{13}{2} \\
 &= 117
 \end{aligned}$$

30

$$\begin{aligned}
 & (+5) \div \frac{5}{14} \\
 &= 5 \times \frac{14}{5} \\
 &= 14
 \end{aligned}$$

31

$$\begin{aligned}
 & -\frac{8}{3} \div \left(-\frac{1}{3}\right) \\
 &= -\frac{8}{3} \times (-3) \\
 &= 8
 \end{aligned}$$

32

$$\begin{aligned}
 & \frac{15}{13} \div \left(+\frac{1}{13}\right) \\
 &= \frac{15}{13} \times 13 \\
 &= 15
 \end{aligned}$$

33

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

34

$$-\frac{17}{18} \div \left(+\frac{17}{18}\right)$$

35

$$15 \div \frac{1}{3}$$

36

$$\left(-\frac{18}{5}\right) \div \left(+\frac{9}{10}\right)$$

37

$$\left(+\frac{5}{6}\right) \div \left(+\frac{10}{3}\right)$$

38

$$-\frac{10}{17} \div \left(+\frac{1}{17}\right)$$

39

$$\left(-\frac{20}{3}\right) \div \left(+\frac{1}{18}\right)$$

40

$$\left(+\frac{15}{2}\right) \div \left(+\frac{15}{7}\right)$$

33

$$\begin{aligned} & \left(+\frac{3}{5}\right) \div \left(+\frac{3}{2}\right) \\ &= \frac{3}{5} \times \frac{2}{3} \\ &= \frac{2}{5} \end{aligned}$$

34

$$-\frac{17}{18} \div \left(+\frac{17}{18}\right) = -1$$

35

$$\begin{aligned} & 15 \div \frac{1}{3} \\ &= 15 \times 3 \\ &= 45 \end{aligned}$$

36

$$\begin{aligned} & \left(-\frac{18}{5}\right) \div \left(+\frac{9}{10}\right) \\ &= -\frac{18}{5} \times \frac{10}{9} \\ &= -4 \end{aligned}$$

37

$$\begin{aligned} & \left(+\frac{5}{6}\right) \div \left(+\frac{10}{3}\right) \\ &= \frac{5}{6} \times \frac{3}{10} \\ &= \frac{1}{4} \end{aligned}$$

38

$$\begin{aligned} & -\frac{10}{17} \div \left(+\frac{1}{17}\right) \\ &= -\frac{10}{17} \times 17 \\ &= -10 \end{aligned}$$

39

$$\begin{aligned} & \left(-\frac{20}{3}\right) \div \left(+\frac{1}{18}\right) \\ &= -\frac{20}{3} \times 18 \\ &= -120 \end{aligned}$$

40

$$\begin{aligned} & \left(+\frac{15}{2}\right) \div \left(+\frac{15}{7}\right) \\ &= \frac{15}{2} \times \frac{7}{15} \\ &= \frac{7}{2} \end{aligned}$$

①

$$(-2) \div (+20)$$

②

$$-\frac{9}{7} \div \left(+\frac{9}{10}\right)$$

③

$$-\frac{3}{4} \div \left(-\frac{9}{16}\right)$$

④

$$-16 \div \left(+\frac{4}{13}\right)$$

⑤

$$(-10) \div (+9)$$

⑥

$$(+15) \div \frac{1}{5}$$

⑦

$$\left(-\frac{4}{7}\right) \div \left(-\frac{8}{7}\right)$$

⑧

$$-\frac{5}{2} \div \frac{3}{2}$$

1

$$\begin{aligned} & (-2) \div (+20) \\ &= -2 \times \frac{1}{20} \\ &= -\frac{1}{10} \end{aligned}$$

2

$$\begin{aligned} & -\frac{9}{7} \div \left(+\frac{9}{10}\right) \\ &= -\frac{9}{7} \times \frac{10}{9} \\ &= -\frac{10}{7} \end{aligned}$$

3

$$\begin{aligned} & -\frac{3}{4} \div \left(-\frac{9}{16}\right) \\ &= -\frac{3}{4} \times \left(-\frac{16}{9}\right) \\ &= \frac{4}{3} \end{aligned}$$

4

$$\begin{aligned} & -16 \div \left(+\frac{4}{13}\right) \\ &= -16 \times \frac{13}{4} \\ &= -52 \end{aligned}$$

5

$$\begin{aligned} & (-10) \div (+9) \\ &= -10 \times \frac{1}{9} \\ &= -\frac{10}{9} \end{aligned}$$

6

$$\begin{aligned} & (+15) \div \frac{1}{5} \\ &= 15 \times 5 \\ &= 75 \end{aligned}$$

7

$$\begin{aligned} & \left(-\frac{4}{7}\right) \div \left(-\frac{8}{7}\right) \\ &= -\frac{4}{7} \times \left(-\frac{7}{8}\right) \\ &= \frac{1}{2} \end{aligned}$$

8

$$\begin{aligned} & -\frac{5}{2} \div \frac{3}{2} \\ &= -\frac{5}{2} \times \frac{2}{3} \\ &= -\frac{5}{3} \end{aligned}$$

9

$$-\frac{3}{10} \div \left(-\frac{3}{5}\right)$$

10

$$-7 \div (+1)$$

11

$$30 \div \frac{15}{13}$$

12

$$\frac{19}{10} \div \frac{19}{20}$$

13

$$(+19) \div \frac{19}{3}$$

14

$$\left(-\frac{6}{19}\right) \div \left(-\frac{12}{19}\right)$$

15

$$\left(-\frac{1}{4}\right) \div \left(-\frac{7}{16}\right)$$

16

$$\left(-\frac{1}{15}\right) \div \frac{1}{3}$$

9

$$\begin{aligned}
 & -\frac{3}{10} \div \left(-\frac{3}{5}\right) \\
 &= -\frac{3}{10} \times \left(-\frac{5}{3}\right) \\
 &= \frac{1}{2}
 \end{aligned}$$

10

$$-7 \div (+1) = -7$$

11

$$\begin{aligned}
 & 30 \div \frac{15}{13} \\
 &= 30 \times \frac{13}{15} \\
 &= 26
 \end{aligned}$$

12

$$\begin{aligned}
 & \frac{19}{10} \div \frac{19}{20} \\
 &= \frac{19}{10} \times \frac{20}{19} \\
 &= 2
 \end{aligned}$$

13

$$\begin{aligned}
 & (+19) \div \frac{19}{3} \\
 &= 19 \times \frac{3}{19} \\
 &= 3
 \end{aligned}$$

14

$$\begin{aligned}
 & \left(-\frac{6}{19}\right) \div \left(-\frac{12}{19}\right) \\
 &= -\frac{6}{19} \times \left(-\frac{19}{12}\right) \\
 &= \frac{1}{2}
 \end{aligned}$$

15

$$\begin{aligned}
 & \left(-\frac{1}{4}\right) \div \left(-\frac{7}{16}\right) \\
 &= -\frac{1}{4} \times \left(-\frac{16}{7}\right) \\
 &= \frac{4}{7}
 \end{aligned}$$

16

$$\begin{aligned}
 & \left(-\frac{1}{15}\right) \div \frac{1}{3} \\
 &= -\frac{1}{15} \times 3 \\
 &= -\frac{1}{5}
 \end{aligned}$$

17

$$\left(-\frac{12}{11}\right) \div \frac{4}{11}$$

18

$$-\frac{1}{20} \div \frac{3}{10}$$

19

$$\left(-\frac{14}{5}\right) \div \frac{7}{20}$$

20

$$\left(+\frac{7}{3}\right) \div \left(-\frac{4}{3}\right)$$

21

$$\left(-\frac{3}{11}\right) \div \left(-\frac{4}{11}\right)$$

22

$$\left(+\frac{9}{10}\right) \div \frac{9}{20}$$

23

$$5 \div \left(+\frac{5}{7}\right)$$

24

$$\frac{13}{8} \div \left(+\frac{13}{5}\right)$$

17

$$\begin{aligned} & \left(-\frac{12}{11}\right) \div \frac{4}{11} \\ &= -\frac{12}{11} \times \frac{11}{4} \\ &= -3 \end{aligned}$$

18

$$\begin{aligned} & -\frac{1}{20} \div \frac{3}{10} \\ &= -\frac{1}{20} \times \frac{10}{3} \\ &= -\frac{1}{6} \end{aligned}$$

19

$$\begin{aligned} & \left(-\frac{14}{5}\right) \div \frac{7}{20} \\ &= -\frac{14}{5} \times \frac{20}{7} \\ &= -8 \end{aligned}$$

20

$$\begin{aligned} & \left(+\frac{7}{3}\right) \div \left(-\frac{4}{3}\right) \\ &= \frac{7}{3} \times \left(-\frac{3}{4}\right) \\ &= -\frac{7}{4} \end{aligned}$$

21

$$\begin{aligned} & \left(-\frac{3}{11}\right) \div \left(-\frac{4}{11}\right) \\ &= -\frac{3}{11} \times \left(-\frac{11}{4}\right) \\ &= \frac{3}{4} \end{aligned}$$

22

$$\begin{aligned} & \left(+\frac{9}{10}\right) \div \frac{9}{20} \\ &= \frac{9}{10} \times \frac{20}{9} \\ &= 2 \end{aligned}$$

23

$$\begin{aligned} & 5 \div \left(+\frac{5}{7}\right) \\ &= 5 \times \frac{7}{5} \\ &= 7 \end{aligned}$$

24

$$\begin{aligned} & \frac{13}{8} \div \left(+\frac{13}{5}\right) \\ &= \frac{13}{8} \times \frac{5}{13} \\ &= \frac{5}{8} \end{aligned}$$

25

$$\left(-\frac{19}{2}\right) \div \left(-\frac{1}{4}\right)$$

26

$$-\frac{4}{5} \div \frac{16}{15}$$

27

$$-\frac{9}{20} \div \left(-\frac{9}{5}\right)$$

28

$$\left(+\frac{1}{17}\right) \div \frac{2}{17}$$

29

$$-\frac{4}{3} \div \left(-\frac{4}{15}\right)$$

30

$$(-2) \div \left(-\frac{8}{7}\right)$$

31

$$-\frac{7}{3} \div \left(+\frac{1}{3}\right)$$

32

$$\left(+\frac{9}{17}\right) \div \left(+\frac{5}{17}\right)$$

25

$$\begin{aligned} & \left(-\frac{19}{2}\right) \div \left(-\frac{1}{4}\right) \\ &= -\frac{19}{2} \times (-4) \\ &= 38 \end{aligned}$$

26

$$\begin{aligned} & -\frac{4}{5} \div \frac{16}{15} \\ &= -\frac{4}{5} \times \frac{15}{16} \\ &= -\frac{3}{4} \end{aligned}$$

27

$$\begin{aligned} & -\frac{9}{20} \div \left(-\frac{9}{5}\right) \\ &= -\frac{9}{20} \times \left(-\frac{5}{9}\right) \\ &= \frac{1}{4} \end{aligned}$$

28

$$\begin{aligned} & \left(+\frac{1}{17}\right) \div \frac{2}{17} \\ &= \frac{1}{17} \times \frac{17}{2} \\ &= \frac{1}{2} \end{aligned}$$

29

$$\begin{aligned} & -\frac{4}{3} \div \left(-\frac{4}{15}\right) \\ &= -\frac{4}{3} \times \left(-\frac{15}{4}\right) \\ &= 5 \end{aligned}$$

30

$$\begin{aligned} & (-2) \div \left(-\frac{8}{7}\right) \\ &= -2 \times \left(-\frac{7}{8}\right) \\ &= \frac{7}{4} \end{aligned}$$

31

$$\begin{aligned} & -\frac{7}{3} \div \left(+\frac{1}{3}\right) \\ &= -\frac{7}{3} \times 3 \\ &= -7 \end{aligned}$$

32

$$\begin{aligned} & \left(+\frac{9}{17}\right) \div \left(+\frac{5}{17}\right) \\ &= \frac{9}{17} \times \frac{17}{5} \\ &= \frac{9}{5} \end{aligned}$$

33

$$(+3) \div \left(-\frac{9}{10}\right)$$

34

$$\frac{12}{5} \div \left(-\frac{2}{5}\right)$$

35

$$(-20) \div (+6)$$

36

$$-\frac{5}{4} \div (+1)$$

37

$$\left(+\frac{10}{7}\right) \div \left(-\frac{10}{7}\right)$$

38

$$-\frac{13}{18} \div \left(-\frac{13}{15}\right)$$

39

$$-\frac{13}{2} \div \left(-\frac{13}{4}\right)$$

40

$$\frac{1}{8} \div \frac{1}{7}$$

33

$$\begin{aligned}
 & (+3) \div \left(-\frac{9}{10}\right) \\
 &= 3 \times \left(-\frac{10}{9}\right) \\
 &= -\frac{10}{3}
 \end{aligned}$$

34

$$\begin{aligned}
 & \frac{12}{5} \div \left(-\frac{2}{5}\right) \\
 &= \frac{12}{5} \times \left(-\frac{5}{2}\right) \\
 &= -6
 \end{aligned}$$

35

$$\begin{aligned}
 & (-20) \div (+6) \\
 &= -20 \times \frac{1}{6} \\
 &= -\frac{10}{3}
 \end{aligned}$$

36

$$\begin{aligned}
 & -\frac{5}{4} \div (+1) \\
 &= -\frac{5}{4} \times 1 \\
 &= -\frac{5}{4}
 \end{aligned}$$

37

$$\left(+\frac{10}{7}\right) \div \left(-\frac{10}{7}\right) = -1$$

38

$$\begin{aligned}
 & -\frac{13}{18} \div \left(-\frac{13}{15}\right) \\
 &= -\frac{13}{18} \times \left(-\frac{15}{13}\right) \\
 &= \frac{5}{6}
 \end{aligned}$$

39

$$\begin{aligned}
 & -\frac{13}{2} \div \left(-\frac{13}{4}\right) \\
 &= -\frac{13}{2} \times \left(-\frac{4}{13}\right) \\
 &= 2
 \end{aligned}$$

40

$$\begin{aligned}
 & \frac{1}{8} \div \frac{1}{7} \\
 &= \frac{1}{8} \times 7 \\
 &= \frac{7}{8}
 \end{aligned}$$

①

$$\left(+\frac{17}{9}\right) \div \left(+\frac{17}{15}\right)$$

②

$$-5 \div (-7)$$

③

$$-\frac{11}{3} \div \frac{11}{8}$$

④

$$\frac{2}{9} \div \left(-\frac{2}{7}\right)$$

⑤

$$\left(-\frac{1}{8}\right) \div \left(-\frac{1}{4}\right)$$

⑥

$$\frac{5}{6} \div \frac{5}{9}$$

⑦

$$(+18) \div (+27)$$

⑧

$$\frac{17}{5} \div \left(+\frac{17}{4}\right)$$

1

$$\begin{aligned} & \left(+\frac{17}{9}\right) \div \left(+\frac{17}{15}\right) \\ &= \frac{17}{9} \times \frac{15}{17} \\ &= \frac{5}{3} \end{aligned}$$

2

$$\begin{aligned} & -5 \div (-7) \\ &= -5 \times \left(-\frac{1}{7}\right) \\ &= \frac{5}{7} \end{aligned}$$

3

$$\begin{aligned} & -\frac{11}{3} \div \frac{11}{8} \\ &= -\frac{11}{3} \times \frac{8}{11} \\ &= -\frac{8}{3} \end{aligned}$$

4

$$\begin{aligned} & \frac{2}{9} \div \left(-\frac{2}{7}\right) \\ &= \frac{2}{9} \times \left(-\frac{7}{2}\right) \\ &= -\frac{7}{9} \end{aligned}$$

5

$$\begin{aligned} & \left(-\frac{1}{8}\right) \div \left(-\frac{1}{4}\right) \\ &= -\frac{1}{8} \times (-4) \\ &= \frac{1}{2} \end{aligned}$$

6

$$\begin{aligned} & \frac{5}{6} \div \frac{5}{9} \\ &= \frac{5}{6} \times \frac{9}{5} \\ &= \frac{3}{2} \end{aligned}$$

7

$$\begin{aligned} & (+18) \div (+27) \\ &= 18 \times \frac{1}{27} \\ &= \frac{2}{3} \end{aligned}$$

8

$$\begin{aligned} & \frac{17}{5} \div \left(+\frac{17}{4}\right) \\ &= \frac{17}{5} \times \frac{4}{17} \\ &= \frac{4}{5} \end{aligned}$$