

ちょっと

ウォーミングアップ!

(小学校内容 解答)

1

$$(1) 21 + 38 \\ = 59$$

$$(2) 42 + 36 \\ = 78$$

$$(3) 66 + 29 \\ = 95$$

$$(4) 57 + 66 \\ = 123$$

$$(5) 48 + 36 \\ = 84$$

$$(6) 37 + 66 \\ = 103$$

$$(7) 379 + 62 \\ = 441$$

$$(8) 785 + 27 \\ = 812$$

$$(9) 398 + 25 \\ = 423$$

$$(10) 486 + 37 \\ = 523$$

$$(11) 58 - 24 \\ = 34$$

$$(12) 69 - 35 \\ = 34$$

$$(13) 94 - 68 \\ = 26$$

$$(14) 72 - 66 \\ = 6$$

$$(15) 63 - 58 \\ = 5$$

$$(16) 86 - 49 \\ = 37$$

$$(17) 104 - 38 \\ = 66$$

$$(18) 725 - 36 \\ = 689$$

$$(19) 115 - 39 \\ = 76$$

$$(20) 362 - 38 \\ = 324$$

$$(21) 78 \times 7 \\ = 546$$

$$(22) 83 \times 9 \\ = 747$$

$$(23) 56 \times 6 \\ = 336$$

$$(24) 47 \times 8 \\ = 376$$

$$(25) 43 \times 316 \\ = 13588$$

$$(26) 65 \times 398 \\ = 25870$$

$$(27) 47 \times 218 \\ = 10246$$

$$(28) 23 \times 124 \\ = 2852$$

$$(29) 5 \div 4 (\text{割り切れるまで}) \\ = 1.25$$

$$(30) 4 \div 8 (\text{割り切れるまで}) \\ = 0.5$$

$$(31) 18 \div 4 (\text{割り切れるまで}) \\ = 4.5$$

$$(32) 25 \div 4 (\text{割り切れるまで}) \\ = 6.25$$

$$(33) 100 \div 4 \\ = 25$$

$$(34) 678 \div 6 \\ = 113$$

$$(35) \frac{1}{9} + \frac{7}{9} \\ = \frac{8}{9}$$

$$(36) \frac{3}{8} + \frac{2}{8} \\ = \frac{5}{8}$$

$$(37) \frac{1}{5} + \frac{2}{5} \\ = \frac{3}{5}$$

$$(38) \frac{3}{7} + \frac{2}{7} \\ = \frac{5}{7}$$

$$(39) \frac{4}{3} + \frac{6}{5} \\ = \frac{20}{15} + \frac{18}{15} \\ = \frac{38}{15}$$

$$(40) \frac{7}{4} + \frac{1}{6} \\ = \frac{21}{12} + \frac{2}{12} \\ = \frac{23}{12}$$

$$(41) \frac{7}{5} + \frac{2}{3} \\ = \frac{21}{15} + \frac{10}{15} \\ = \frac{31}{15}$$

$$\begin{aligned}
 (42) \quad & \frac{2}{3} + \frac{1}{4} \\
 &= \frac{8}{12} + \frac{3}{12} \\
 &= \frac{11}{12}
 \end{aligned}$$

$$\begin{aligned}
 (43) \quad & \frac{7}{9} - \frac{2}{9} \\
 &= \frac{5}{9}
 \end{aligned}$$

$$\begin{aligned}
 (44) \quad & \frac{5}{7} - \frac{2}{7} \\
 &= \frac{3}{7}
 \end{aligned}$$

$$\begin{aligned}
 (45) \quad & \frac{4}{5} - \frac{2}{5} \\
 &= \frac{2}{5}
 \end{aligned}$$

$$\begin{aligned}
 (46) \quad & \frac{6}{7} - \frac{4}{7} \\
 &= \frac{2}{7}
 \end{aligned}$$

$$\begin{aligned}
 (47) \quad & \frac{3}{4} - \frac{2}{3} \\
 &= \frac{9}{12} - \frac{8}{12} \\
 &= \frac{1}{12}
 \end{aligned}$$

$$\begin{aligned}
 (48) \quad & \frac{8}{7} - \frac{1}{2} \\
 &= \frac{16}{14} - \frac{7}{14} \\
 &= \frac{9}{14}
 \end{aligned}$$

$$\begin{aligned}
 (49) \quad & \frac{7}{4} - \frac{6}{7} \\
 &= \frac{49}{28} - \frac{24}{28} \\
 &= \frac{25}{28}
 \end{aligned}$$

$$\begin{aligned}
 (50) \quad & \frac{4}{5} - \frac{2}{3} \\
 &= \frac{12}{15} - \frac{10}{15} \\
 &= \frac{2}{15}
 \end{aligned}$$

$$\begin{aligned}
 (51) \quad & \frac{7}{5} \times \frac{2}{3} \\
 &= \frac{7 \times 2}{5 \times 3} \\
 &= \frac{14}{15}
 \end{aligned}$$

$$\begin{aligned}
 (52) \quad & \frac{3}{4} \times \frac{5}{7} \\
 &= \frac{3 \times 5}{4 \times 7} \\
 &= \frac{15}{28}
 \end{aligned}$$

$$\begin{aligned}
 (53) \quad & \frac{2}{5} \times \frac{4}{7} \\
 &= \frac{2 \times 4}{5 \times 7} \\
 &= \frac{8}{35}
 \end{aligned}$$

$$\begin{aligned}
 (54) \quad & \frac{2}{5} \times \frac{2}{7} \\
 &= \frac{4}{35}
 \end{aligned}$$

$$\begin{aligned}
 (55) \quad & \frac{2}{7} \times \frac{3}{4} \\
 &= \frac{2 \times 3}{7 \times 4} \\
 &= \frac{3}{14}
 \end{aligned}$$

$$\begin{aligned}
 (56) \quad & \frac{3}{2} \times \frac{4}{5} \\
 &= \frac{3 \times 4}{2 \times 5} \\
 &= \frac{6}{5}
 \end{aligned}$$

$$\begin{aligned}
 (57) \quad & \frac{2}{3} \times \frac{1}{4} \\
 &= \frac{2}{3 \times 4} \\
 &= \frac{1}{6}
 \end{aligned}$$

$$\begin{aligned}
 (58) \quad & \frac{3}{5} \times \frac{1}{6} \\
 &= \frac{3 \times 1}{5 \times 6} \\
 &= \frac{1}{10}
 \end{aligned}$$

$$\begin{aligned}
 (59) \quad & \frac{2}{5} \div \frac{3}{4} \\
 &= \frac{2}{5} \times \frac{4}{3} \\
 &= \frac{8}{15}
 \end{aligned}$$

$$\begin{aligned}
 (60) \quad & \frac{4}{9} \div \frac{2}{5} \\
 &= \frac{4}{9} \times \frac{5}{2} \\
 &= \frac{10}{9}
 \end{aligned}$$

$$\begin{aligned}
 (61) \quad & \frac{3}{2} \div \frac{9}{4} \\
 &= \frac{3}{2} \times \frac{4}{9} \\
 &= \frac{2}{3}
 \end{aligned}$$

$$\begin{aligned}
 (62) \quad & \frac{3}{4} \div \frac{9}{8} \\
 &= \frac{3}{4} \times \frac{8}{9} \\
 &= \frac{2}{3}
 \end{aligned}$$

$$\begin{aligned}
 (63) \quad & \frac{6}{7} \div \frac{3}{5} \\
 &= \frac{6}{7} \times \frac{5}{3} \\
 &= \frac{10}{7}
 \end{aligned}$$

$$(64) \frac{12}{13} \div \frac{6}{5}$$

$$= \frac{12}{13} \times \frac{5}{6}$$

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

$$(65) 35 - \underline{3 \times 2}$$

$$= 35 - \underline{6}$$

$$= 29$$

$$(66) 44 - \underline{6 \times 5}$$

$$= 44 - \underline{30}$$

$$= 14$$

$$(67) 39 - \underline{4 \times 7}$$

$$= 39 - \underline{28}$$

$$= 11$$

$$(68) 63 + \underline{7 \times 3}$$

$$= 63 + \underline{21}$$

$$= 84$$

$$(69) 72 \div \underline{(6 \times 4)}$$

$$= 72 \div \underline{24}$$

$$= 3$$

$$(70) 84 \div \underline{(3 \times 7)}$$

$$= 84 \div \underline{21}$$

$$= 4$$

2

$$(1) 15 \div 50 = 0.3 \quad \underline{30\%}$$

$$(2) 40 \div 500 = 0.08 \quad \underline{8\%}$$

$$(3) 76.5 \div 90 = 0.85 \quad \underline{85\%}$$

$$(4) 4.8 \div 30 = 0.16 \quad \underline{16\%}$$

$$(5) 45 \div 30 = 1.5 \quad \underline{150\%}$$

$$(6) 112 \div 70 = 1.6 \quad \underline{160\%}$$

$$(7) 700 \div 500 = 1.4 \quad \underline{140\%}$$

$$(8) 60 \times 0.4 = 24 \quad \underline{24人}$$

$$(9) 300 \times 0.75 = 225 \quad \underline{225m}$$

$$(10) 30 \times 0.02 = 0.6 \quad \underline{0.6L}$$

$$(11) 300 \times 0.09 = 27 \quad \underline{27cm}$$

$$(12) 40 \times 1.5 = 60 \quad \underline{60mL}$$

$$(13) 500 \times 1.4 = 700 \quad \underline{700g}$$

$$(14) 700 \times 2.3 = 1610 \quad \underline{1610m^2}$$

3

$$(1) \square \times 0.3 = 9$$

$$\square = 9 \div 0.3$$

$$\square = \underline{30}$$

$$(2) \square \times 0.4 = 240$$

$$\square = 240 \div 0.4$$

$$\square = \underline{600}$$

$$(3) \square \times 0.03 = 2.4$$

$$\square = 2.4 \div 0.03$$

$$\square = \underline{80}$$

$$(4) \square \times 0.06 = 36$$

$$\square = 36 \div 0.06$$

$$\square = \underline{600}$$

$$(5) \square \times 1.3 = 91$$

$$\square = 91 \div 1.3$$

$$\square = \underline{70}$$

$$(6) \square \times 1.8 = 900$$

$$\square = 900 \div 1.8$$

$$\square = \underline{500}$$

$$(7) \square \times 2.3 = 1840$$

$$\square = 1840 \div 2.3$$

$$\square = \underline{800}$$

4

$$(1) 1 - 0.55 = 0.45$$

$$2600 \times 0.45 = 1170 \quad \underline{1170円}$$

$$(2) 1 - 0.2 = 0.8$$

$$3300 \times 0.8 = 2640 \quad \underline{2640円}$$

$$(3) 1 - 0.05 = 0.95$$

$$900 \times 0.95 = 855 \quad \underline{855円}$$

$$(4) 54 \div 90 = 0.6 \quad \underline{60\%}$$

$$(5) 600 \times 0.35 = 210 \quad \underline{210人}$$

$$(6) \square \times 0.1 = 5$$

$$\square = 5 \div 0.1$$

$$\square = 50 \quad \underline{50人}$$

$$(7) 24 \div 40 = 0.6 \quad \underline{60\%}$$

5

円周の長さ = 直径 × 円周率
円の面積 = 半径 × 半径 × 円周率

$$(1) \textcircled{1} 3 \times 3 \times 3.14 = 28.26$$

$$\underline{28.26 \text{ cm}^2}$$

$$\textcircled{2} 3 \times 2 \times 3.14 = 18.84$$

$$\underline{18.84 \text{ cm}}$$

$$(2) \textcircled{1} 4 \times 4 \times 3.14 = 50.24$$

$$\underline{50.24 \text{ cm}^2}$$

$$\textcircled{2} 4 \times 2 \times 3.14 = 25.12$$

$$\underline{25.12 \text{ cm}}$$

6

$$(1) 5 \times 4 \div 2 = 10 \quad \underline{10 \text{ cm}^2}$$

$$(2) 10 \times 7 \div 2 = 35 \quad \underline{35 \text{ cm}^2}$$

$$(3) (4 + 10) \times 6 \div 2 = 42 \quad \underline{42 \text{ cm}^2}$$

$$(4) 6 \times 5 = 30 \quad \underline{30 \text{ cm}^2}$$

7

柱体の体積 = 底面積 × 高さ

$$(1) 50 \times 16 = 800 \quad \underline{800 \text{ cm}^3}$$

$$(2) 120 \times 25 = 800 \quad \underline{3000 \text{ cm}^3}$$

8

(1) $8 \times 6 \div 2 \times 7 = 168$ 168 cm³

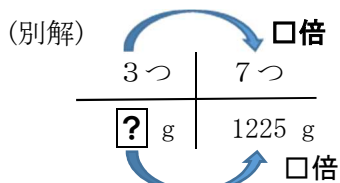
(2) $3 \times 3 \times 3.14 \times 6 = 169.56$
169.56 cm³

(3) $2 \times 2 \times 3.14 \times 10 = 125.6$
125 cm³

(4) $(3+6) \times 4 \div 2 \times 5 = 90$
90 cm³

9

1 kg 225 g = 1225g
 $1225 \div 7 = 175g$
石1個あたりの重さ
 $175 \times 3 = 525$ 525 g



$3 \times \square = 7$

$\square = 7 \div 3$

$\square = \frac{7}{3}$ (倍)

$?\times \frac{7}{3} = 1225$

$? = 1225 \div \frac{7}{3}$

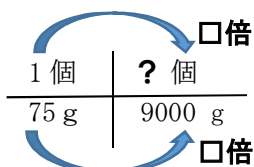
$? = 1225 \times \frac{3}{7}$

$? = 525$ 525 g

10

(1) $75 \times 40 = 3000$
 $3000 \text{ g} = 3 \text{ kg}$ 3 kg

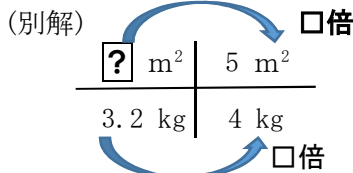
(2) $9 \text{ kg} = 9000 \text{ g}$



$75 \times \square = 9000$
 $\square = 9000 \div 75$
 $\square = 120$ 120 個

11

(1) $5 \div 4 = 1.25$
肥料 1k でまける畑の面積
 $1.25 \times 3.2 = 4$ 4m²



$3.2 \times \square = 4$

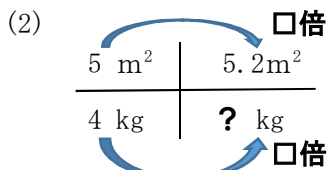
$\square = 4 \div 3.2$

$\square = 1.25$ (倍)

$?\times 1.25 = 5$

$? = 5 \div 1.25$

$? = 4$ 4m²



$5 \times \square = 5.2$

$\square = 5.2 \div 5$

$\square = 1.04$ (倍)

$4 \times 1.04 = 4.16$ 4.16kg

12

- ㊦ 30° ㊧ 35° ㊨ 130°
- ㊩ 120° ㊪ 160° ㊫ 135°
- ㊬ 40° ㊭ 100°

<解説>

㊦ $180 - 70 - 80 = 30$

㊧ $180 - 20 - 125 = 35$

㊨ $180 - 60 - 70 = 50$
 $180 - 50 = 130$

㊩ $360 - 45 - 135 - 60 = 120$

㊪ $360 - 70 - 90 - 40 = 160$

㊫ $(360 - 45 \times 2) \div 2 = 135$

㊬ 二等辺三角形なので 40°

㊭ $(360 - 80 \times 2) \div 2 = 100$

13

(1) $x + 120 = y$

(2) $500 - x = y$

(3) $x \times 4 = y$

(4) $7 \times x = y$

(5) $x \times 9 = y$

(6) $6 \times x = y$ ($12 \times x \div 2 = y$)

(7) $x \div 4 = y$

(8) $200 \div x = y$

14

(1) $7.4 + 5.9 = 13.3$

(2) $48.7 - 9.8 = 38.9$

(3) $7.8 \times 2.8 = 21.8$

(4) $64.6 \div 3.8 = 17$

(5) $\frac{1}{3} \times \frac{2}{9} \times \frac{3}{8}$
 $= \frac{1 \times 2 \times 3}{3 \times 9 \times 8}$
 $= \frac{1}{36}$

14 (つづき)

$$(6) \frac{2}{5} \div \frac{2}{7} \times \frac{5}{4}$$

$$= \frac{2}{5} \div \frac{7}{2} \times \frac{5}{4}$$

$$= \frac{2}{5} \times \frac{2}{7} \times \frac{5}{4}$$

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

$$(7) \frac{1}{8} \times 0.5 \times \frac{1}{5}$$

$$= \frac{1}{8} \times \frac{1}{2} \times \frac{1}{5}$$

$$= \frac{1}{80}$$

ポイント

- ① 整数、分数、小数のまま
じった計算では、小数
や整数を分数になお
す。
- ② 分数のかけ算、わり算
の混じった式は、わる
数を逆数に変えると、
かけ算だけの式に直
せる

15

(1)

4の倍数：
4, 8, 12, 16, 20, 24, **28**, 32, …

14の倍数
14, **28**, 42, …

最小公倍数 28

(2)

18の約数：
1, 2, 3, **6**, 9, 18

30の約数：
1, 2, 3, 5, **6**, 10, 15, 30

最大公約数 6

16

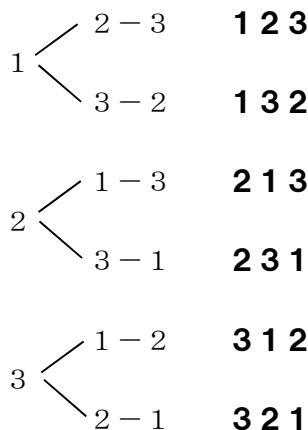
★起こりうるすべての場合を
表や図を使って調べる

(1)
【表を使って調べる】

1	2	3	1 2 3
1	3	2	1 3 2
2	1	3	2 1 3
2	3	1	2 3 1
3	1	2	3 1 2
3	2	1	3 2 1

6通り

【樹形図を使ってしらべる】



(2)
赤、青、黄、緑の玉を取り出す
【取り出す玉の組をつくる】

赤-青
赤-黄
赤-緑

青-黄
青-緑

黄-緑 6通り

注

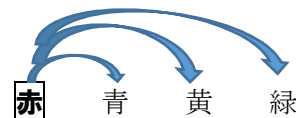
赤-青 と 青-赤 は
組として同じ

ポイント

玉を固定して考える

玉を固定して、右側にある玉を
選び組をつくる。

①赤を固定



②青を固定



③黄を固定



17

ポイント

速さ × 時間 = 道のり

道のり： 800m
速さ： 分速 50m
時間： 分

$$50 \times \text{?} = 800$$

$$\text{?} = 800 \div 50$$

$$\text{?} = 16$$

16分

正負の数の計算他 (解答)

1 次の計算をしなさい

$$(1) \quad (+2) + (+5)$$

$$= \underline{+}(2+5)$$

$$= 7$$

同符号の
2数の和

$$(2) \quad (+6) + (+2)$$

$$= \underline{+}(6+2)$$

$$= 8$$

$$(3) \quad (-1) + (-8)$$

$$= \underline{-}(1+8)$$

$$= -9$$

$$(4) \quad (-7) + (-3)$$

$$= \underline{-}(7+3)$$

$$= -10$$

$$(5) \quad (-8) + (-5)$$

$$= \underline{-}(8+5)$$

$$= -13$$

$$(6) \quad (-16) + (-9)$$

$$= \underline{-}(16+9)$$

$$= -25$$

$$(7) \quad (-\overset{\text{大}}{9}) + (+\overset{\text{小}}{3})$$

$$= \underline{-}(9-3)$$

$$= -6$$

異符号の2数
の和

$$(8) \quad (-\overset{\text{大}}{5}) + (+\overset{\text{小}}{8})$$

$$= \underline{+}(8-5)$$

$$= 3$$

$$(9) \quad (+\overset{\text{大}}{12}) + (-\overset{\text{小}}{2})$$

$$= \underline{+}(12-2)$$

$$= 10$$

$$(10) \quad (+3) + (-3)$$

$$= 0$$

$$(11) \quad (-\overset{\text{大}}{20}) + (+\overset{\text{小}}{8})$$

$$= \underline{-}(20-8)$$

$$= -12$$

$$(12) \quad (-\overset{\text{大}}{9}) + (+\overset{\text{小}}{14})$$

$$= \underline{+}(14-9)$$

$$= 5$$

$$(13) \quad (+7) - (+4)$$

$$= (+7) + \underline{+}(-4)$$

$$= 7-4$$

$$= 3$$

引き算は、引く数の符号を変えて、
足し算に直して計算

$$(14) \quad (+5) - (+9)$$

$$= (+5) + \underline{+}(-9)$$

$$= 5-9$$

$$= -4$$

$$(15) \quad (-6) - (+2)$$

$$= -6 \underline{-} 2$$

$$= -8$$

$$(16) \quad (-5) - (+5)$$

$$= -5-5$$

$$= -10$$

$$(17) \quad (+3) - (-9)$$

$$= 3+9$$

$$= 12$$

$$(18) \quad (+4) - (-2)$$

$$= 4+2$$

$$= 6$$

$$(19) \quad (-2) - (-3)$$

$$= -2+3$$

$$= 1$$

$$(20) \quad (-8) - (-1)$$

$$= -8+1$$

$$= -7$$

$$(21) \quad (-6) - (-6)$$

$$= -6+6$$

$$= 0$$

$$(22) \quad 0 - (-7)$$

$$= 0+7$$

$$= 7$$

$$(23) \quad (-4) - 0$$

$$= -4$$

$$(24) \quad (+9) - (+4)$$

$$= 9-4$$

$$= 5$$

$$(25) \quad (+8) - (-8)$$

$$= 8+8$$

$$= 16$$

$$(26) \quad (-3) - (+16)$$

$$= -3-16$$

$$= -19$$

$$(27) \quad (+14) - (+19)$$

$$= 14-19$$

$$= -5$$

$$(28) \quad (-21) - (+18)$$

$$= -21-18$$

$$= -39$$

$$(29) \quad 8 - (+12)$$

$$= 8-12$$

$$= -4$$

$$(30) \quad -7+13$$

$$= 6$$

$$(31) \quad -6-31$$

$$= -37$$

$$(32) \quad -3 - (+6)$$

$$= -3-6$$

$$= -9$$

$$(33) -7+10 \\ =3$$

$$(34) 0-13 \\ =-13$$

$$(35) -48+57 \\ =9$$

$$(36) -37-51 \\ =-88$$

$$(37) 1-8+3 \\ =1+3-8 \\ =4-8 \\ =-4$$

$$(38) (-2)+4-7 \\ =-2+4-7 \\ =4-2-7 \\ =4-9 \\ =-5$$

$$(39) -8+(-3)+5 \\ =-8-3+5 \\ =-11+5 \\ =-6$$

$$(40) 3-9-(-6) \\ =3-9+6 \\ =3+6-9 \\ =9-9 \\ =0$$

$$(41) -4-(-11)-7 \\ =-4+11-7 \\ =11-4-7 \\ =11-11 \\ =0$$

$$(42) 42-86-(-13) \\ =42-86+13 \\ =42+13-86 \\ =55-86 \\ =-31$$

$$(43) -21-57-(+23) \\ =-21-57-23 \\ =-101$$

$$(44) 18-43+(-24) \\ =18-43-24 \\ =18-67 \\ =-49$$

2 次の計算をしなさい

$$(1) (+2) \times (+8) \\ =16$$

$$(2) (+6) \times (+3) \\ =18$$

$$(3) (+3) \times (+12) \\ =36$$

$$(4) (-5) \times (-4) \\ =+(5 \times 4) \\ =20$$

$$(5) (-13) \times (-6) \\ =+(13 \times 6) \\ =78$$

$$(6) (+3) \times (-9) \\ =-(3 \times 9) \\ =-27$$

異符号の2数の積⇒符号-

$$(7) (+8) \times (-5) \\ =-(8 \times 5) \\ =-40$$

$$(8) (-6) \times (+7) \\ =-42$$

$$(9) (-2) \times (+9) \\ =-18$$

$$(10) (-2) \times (+14) \\ =-28$$

(-2)が2回かけられている

$$(11) (-2)^2 \\ =(-2) \times (-2) \\ =4$$

$$(12) -2^2 \\ =-(2 \times 2)$$

数字が2回かけられている

$$(13) (-1)^3 \\ =(-1) \times (-1) \times (-1) \\ =-(1 \times 1 \times 1) \\ =-1$$

$$(14) -2^3 \\ =-2 \times 2 \times 2 \\ =-8$$

$$(15) 5 \times 4^2 \\ =5 \times 4 \times 4 \\ =80$$

$$(16) (5 \times 4)^2 \\ =20^2 \\ =400$$

3 次の計算をしなさい

$$(1) (+18) \div (+2) \\ =9$$

$$(2) (+35) \div (+5) \\ =7$$

$$(3) (-24) \div (-3) \\ =+(24 \div 3) \\ =8$$

同符号の2数の商⇒符号+

$$(4) (+16) \div (-4)$$

$$= -(16 \div 4)$$

$$= -4$$

異符号の2数の商 \Rightarrow 符号-

$$(5) (+72) \div (-8)$$

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

$$= -9$$

$$(6) (-49) \div (+7)$$

$$= -(49 \div 7)$$

$$= -7$$

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

$$= 4$$

$$(8) (+57) \div (-3)$$

$$= -(57 \div 3)$$

$$= -19$$

$$(9) (-400) \div (+8)$$

$$= -(400 \div 8)$$

$$= -50$$

$$(10) (-4.5) \div (-3)$$

$$= +(4.5 \div 3)$$

$$= 1.5$$

4 次の計算をなさい

$$(1) 0.25 \times (-0.4)$$

$$= -(0.25 \times 4)$$

$$= -1$$

$$(2) \frac{4}{9} \times \left(-\frac{7}{12}\right)$$

$$= -\left(\frac{4}{9} \times \frac{7}{12}\right)$$

$$= -\frac{7}{27}$$

$$(3) (-6) \times \left(-\frac{7}{4}\right)$$

$$= +\left(6 \times \frac{7}{4}\right)$$

$$= \frac{21}{2}$$

$$(4) (-1.8) \times (+20)$$

$$= -(1.8 \times 20)$$

$$= -36$$

$$(5) \left(+\frac{5}{12}\right) \times \left(-\frac{4}{15}\right)$$

$$= -\left(\frac{5}{12} \times \frac{4}{15}\right)$$

$$= -\frac{1}{9}$$

$$(6) (-2) \times (-4) \times 7$$

$$= +(2 \times 4 \times 7)$$

$$= 56$$

$$(7) (-3) \times (-6) \times 2 \times (-5)$$

$$= -(3 \times 6 \times 2 \times 5)$$

$$= -180$$

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

$$= \frac{3}{5} \times \left(-\frac{3}{4}\right)$$

$$= -\left(\frac{3}{5} \times \frac{3}{4}\right)$$

$$= -\frac{9}{20}$$

$$(9) \left(-\frac{1}{4}\right) \div \left(-\frac{3}{2}\right)$$

$$= \left(-\frac{1}{4}\right) \times \left(-\frac{2}{3}\right)$$

$$= +\left(\frac{1}{4} \times \frac{2}{3}\right)$$

$$= \frac{1}{6}$$

$$(10) -12 \div \frac{6}{7}$$

$$= -12 \times \frac{7}{6}$$

$$= -14$$

$$(11) \left(-\frac{5}{6}\right) \div \left(-\frac{10}{9}\right)$$

$$= \left(-\frac{5}{6}\right) \times \left(-\frac{9}{10}\right)$$

$$= +\left(\frac{5}{6} \times \frac{9}{10}\right)$$

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

$$(12) \frac{2}{5} \div \left(-\frac{8}{15}\right)$$

$$= \frac{2}{5} \times \left(-\frac{15}{8}\right)$$

$$= -\left(\frac{2}{5} \times \frac{15}{8}\right)$$

$$= -\frac{3}{4}$$

$$(13) 4 \times (-5) \div 2$$

$$= 4 \times (-5) \times \frac{1}{2}$$

$$= -(4 \times 5 \times \frac{1}{2})$$

$$= -10$$

$$(14) 2 \div \left(-\frac{10}{3}\right) \div \frac{6}{5}$$

$$= 2 \times \left(-\frac{3}{10}\right) \times \frac{5}{6}$$

$$= -\left(2 \times \frac{3}{10} \times \frac{5}{6}\right)$$

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

$$\begin{aligned}
 (15) \quad & \left(-\frac{4}{5}\right) \times \left(-\frac{25}{8}\right) \div \left(-\frac{5}{2}\right) \\
 & = \left(-\frac{4}{5}\right) \times \left(-\frac{25}{8}\right) \times \left(-\frac{2}{5}\right) \\
 & = -\left(\frac{4}{5} \times \frac{25}{8} \times \frac{2}{5}\right) \\
 & = -1
 \end{aligned}$$

5 次の計算をしなさい

$$\begin{aligned}
 (1) \quad & 7 \times (-3) + 4 \\
 & = -21 + 4 \\
 & = -17
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & 9 - 3 \times (-8) \\
 & = 9 - (-24) \\
 & = 9 + 24 \\
 & = 33
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & 5 + (-32) \div 4 \\
 & = 5 + (-8) \\
 & = 5 - 8 \\
 & = -3
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & -6 - (-20) \div (-5) \\
 & = -6 - (+4) \\
 & = -6 - 4 \\
 & = -10
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad & 30 \div (-7+2) \\
 & = 30 \div (-5) \\
 & = -6
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad & (-8) \times (-6-3) \\
 & = (-8) \times (-9) \\
 & = 72
 \end{aligned}$$

$$\begin{aligned}
 (7) \quad & 5 - 5 \times (-3)^2 \\
 & = 5 - 5 \times (-3) \times (-3) \\
 & = 5 - (+45) \\
 & = 5 - 45 \\
 & = -40
 \end{aligned}$$

$$\begin{aligned}
 (8) \quad & 15 + 2 \times (-4) \\
 & = 15 + (-8) \\
 & = 15 - 8 \\
 & = 7
 \end{aligned}$$

$$\begin{aligned}
 (9) \quad & 12 \div (-2) - 6 \\
 & = (-6) - 6 \\
 & = -12
 \end{aligned}$$

$$\begin{aligned}
 (10) \quad & 3 \times (-4) - (-2) \times 7 \\
 & = (-12) - (-14) \\
 & = -12 + 14 \\
 & = 2
 \end{aligned}$$

$$\begin{aligned}
 (11) \quad & (-2) \times (-3) - 8 \div 4 \\
 & = 6 - 2 \\
 & = 4
 \end{aligned}$$

$$\begin{aligned}
 (12) \quad & 30 \div (-7+2) \\
 & = 30 \div (-5) \\
 & = -6
 \end{aligned}$$

$$\begin{aligned}
 (13) \quad & (-5) \times (-2-1) \\
 & = (-5) \times (-3) \\
 & = 15
 \end{aligned}$$

$$\begin{aligned}
 (14) \quad & 4 - 2 \times (-3+6) \\
 & = 4 - 2 \times 3 \\
 & = 4 - 6 \\
 & = -2
 \end{aligned}$$

6 次の式を、 \times や \div の記号を使わない表し方になおしなさい。

$$\begin{aligned}
 (1) \quad & x \times 5 \\
 & = 5x
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & a \times c \times 4 \\
 & = 4ac
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & a \times b \times 2 \times c \\
 & = 2abc
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & 7 \times (x-1) \\
 & = 7(x-1)
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad & a \times (-1) \\
 & = -a
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad & 5 \times (-6n) \\
 & = -30n
 \end{aligned}$$

$$\begin{aligned}
 (7) \quad & a \times a \times a \times a \times a \\
 & = a^5
 \end{aligned}$$

$$\begin{aligned}
 (8) \quad & x \times x \times x \\
 & = x^3
 \end{aligned}$$

$$\begin{aligned}
 (9) \quad & a \div 3 \\
 & = \frac{a}{3}
 \end{aligned}$$

$$\begin{aligned}
 (10) \quad & (x+y) \div 3 \\
 & = \frac{x+y}{3}
 \end{aligned}$$

$$\begin{aligned}
 (11) \quad & 4x \div 9 \\
 & = \frac{4x}{9} \quad \left(\frac{4}{9}x\right)
 \end{aligned}$$

$$\begin{aligned}
 (12) \quad & a \times b \times c \\
 & = abc
 \end{aligned}$$