

正負の四則演算・応用 No.3

1. 次の計算をなさい。

$$(1) 2 - \left(-\frac{8}{5}\right) \times \left(-\frac{1}{4}\right)$$

$$(2) (-4) - \left(-\frac{2}{5}\right) \times (-10)$$

$$(3) \frac{7}{9} \div \left(-\frac{5}{12}\right) - (-1)$$

$$(4) (-1) + \left(-\frac{1}{10}\right) \times \frac{5}{2}$$

$$(5) -\frac{1}{2} - \frac{1}{8} \div \left(-\frac{7}{10}\right)$$

$$(6) \frac{8}{7} \times \left(-\frac{1}{10}\right) - \left(-\frac{3}{5}\right)$$

$$(7) \frac{1}{3} - \left(-\frac{8}{9}\right) \times \frac{12}{11}$$

$$(8) \left(-\frac{9}{5}\right) \times \frac{5}{12} - \frac{1}{2}$$

$$(9) 3 + \left(-\frac{8}{7}\right) \times \frac{3}{4}$$

$$(10) \frac{1}{6} \div \left(-\frac{11}{12}\right) - \frac{3}{2}$$

2. 次の計算をなさい。

$$(1) (-4) \times \left(-\frac{3}{2}\right) - (-2) \div \frac{1}{6}$$

$$(2) \left(-\frac{3}{2}\right) \times \left(-\frac{11}{15}\right) + \left(-\frac{6}{5}\right) \div \left(-\frac{2}{3}\right)$$

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

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

$$(5) \frac{3}{5} \div \left(-\frac{3}{4}\right) + 6 \div \frac{5}{3}$$

$$(6) \frac{6}{5} \div \left(-\frac{3}{5}\right) - \left(-\frac{4}{3}\right) \times \frac{7}{10}$$

$$(7) 6 \times \left(-\frac{1}{6}\right) - \left(-\frac{4}{3}\right) \div \frac{1}{2}$$

$$(8) (-2) \times 2 - \frac{1}{2} \times (-6)$$

$$(9) 6 \times (-1) - \left(-\frac{1}{2}\right) \div \frac{1}{2}$$

$$(10) \frac{3}{2} \div \left(-\frac{1}{2}\right) + \frac{5}{6} \times 6$$

3. 次の計算をなさい。

$$(1) (-3)^2 - \frac{3}{5} \div \left(-\frac{9}{10}\right)$$

$$(2) 1^2 - \left(-\frac{4}{3}\right) \times \frac{3}{8}$$

$$(3) \left(-\frac{1}{10}\right) \div \left(-\frac{1}{5}\right) - \left(-\frac{3}{2}\right)^2$$

$$(4) \left(-\frac{1}{4}\right) \times \left(-\frac{8}{3}\right) - 1^2$$

$$(5) \left(\frac{4}{5}\right)^2 - \left(-\frac{9}{10}\right) \div \frac{5}{8}$$

$$(6) (-1)^2 - \frac{3}{8} \div \left(-\frac{1}{4}\right)$$

$$(7) \left(-\frac{5}{6}\right) \times \frac{9}{5} - 2^2$$

$$(8) 3^2 - \frac{8}{7} \times \left(-\frac{3}{4}\right)$$

$$(9) \left(-\frac{3}{4}\right)^2 + \left(-\frac{3}{8}\right) \div \left(-\frac{1}{6}\right)$$

$$(10) \left(-\frac{3}{4}\right) \div \left(-\frac{7}{8}\right) - 4^2$$

4. 次の計算をなさい。

$$(1) 1 + \frac{3}{4} \times \left(-\frac{8}{7}\right)$$

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

$$(3) (-6) \div (-4) + \left(-\frac{1}{3}\right) \times \left(-\frac{3}{4}\right)$$

$$(4) 1^2 - 4 \times \left(-\frac{1}{8}\right)$$

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

$$(6) 6 \times 1 - (-2) \times \left(-\frac{1}{2}\right)$$

$$(7) (-4)^2 + \left(-\frac{10}{3}\right) \times \frac{2}{5}$$

$$(8) \left(\frac{1}{2}\right)^2 - (-4) \times \left(-\frac{5}{8}\right)$$

$$(9) \left(\frac{3}{2}\right)^2 + \left(-\frac{1}{4}\right) \div \left(-\frac{3}{8}\right)$$

$$(10) 4 + \frac{3}{4} \div \left(-\frac{1}{8}\right)$$

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1. 次の計算をなさい。

$$(1) 2 - \left(-\frac{8}{5}\right) \times \left(-\frac{1}{4}\right) \\ \frac{8}{5}$$

$$(2) (-4) - \left(-\frac{2}{5}\right) \times (-10) \\ -8$$

$$(3) \frac{7}{9} \div \left(-\frac{5}{12}\right) - (-1) \\ -\frac{13}{15}$$

$$(4) (-1) + \left(-\frac{1}{10}\right) \times \frac{5}{2} \\ -\frac{5}{4}$$

$$(5) -\frac{1}{2} - \frac{1}{8} \div \left(-\frac{7}{10}\right) \\ -\frac{9}{28}$$

$$(6) \frac{8}{7} \times \left(-\frac{1}{10}\right) - \left(-\frac{3}{5}\right) \\ \frac{17}{35}$$

$$(7) \frac{1}{3} - \left(-\frac{8}{9}\right) \times \frac{12}{11} \\ \frac{43}{33}$$

$$(8) \left(-\frac{9}{5}\right) \times \frac{5}{12} - \frac{1}{2} \\ -\frac{5}{4}$$

$$(9) 3 + \left(-\frac{8}{7}\right) \times \frac{3}{4} \\ \frac{15}{7}$$

$$(10) \frac{1}{6} \div \left(-\frac{11}{12}\right) - \frac{3}{2} \\ -\frac{37}{22}$$

2. 次の計算をなさい。

$$(1) (-4) \times \left(-\frac{3}{2}\right) - (-2) \div \frac{1}{6}$$

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$$(2) \left(-\frac{3}{2}\right) \times \left(-\frac{11}{15}\right) + \left(-\frac{6}{5}\right) \div \left(-\frac{2}{3}\right)$$

**$\frac{29}{10}$**

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

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

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

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

$$(5) \frac{3}{5} \div \left(-\frac{3}{4}\right) + 6 \div \frac{5}{3}$$

**$\frac{14}{5}$**

$$(6) \frac{6}{5} \div \left(-\frac{3}{5}\right) - \left(-\frac{4}{3}\right) \times \frac{7}{10}$$

**$-\frac{16}{15}$**

$$(7) 6 \times \left(-\frac{1}{6}\right) - \left(-\frac{4}{3}\right) \div \frac{1}{2}$$

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

$$(8) (-2) \times 2 - \frac{1}{2} \times (-6)$$

**-1**

$$(9) 6 \times (-1) - \left(-\frac{1}{2}\right) \div \frac{1}{2}$$

**-5**

$$(10) \frac{3}{2} \div \left(-\frac{1}{2}\right) + \frac{5}{6} \times 6$$

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3. 次の計算をしなさい。

$$(1) (-3)^2 - \frac{3}{5} \div \left(-\frac{9}{10}\right) \\ \frac{29}{3}$$

$$(2) 1^2 - \left(-\frac{4}{3}\right) \times \frac{3}{8} \\ \frac{3}{2}$$

$$(3) \left(-\frac{1}{10}\right) \div \left(-\frac{1}{5}\right) - \left(-\frac{3}{2}\right)^2 \\ -\frac{7}{4}$$

$$(4) \left(-\frac{1}{4}\right) \times \left(-\frac{8}{3}\right) - 1^2 \\ -\frac{1}{3}$$

$$(5) \left(\frac{4}{5}\right)^2 - \left(-\frac{9}{10}\right) \div \frac{5}{8} \\ \frac{52}{25}$$

$$(6) (-1)^2 - \frac{3}{8} \div \left(-\frac{1}{4}\right) \\ \frac{5}{2}$$

$$(7) \left(-\frac{5}{6}\right) \times \frac{9}{5} - 2^2 \\ -\frac{11}{2}$$

$$(8) 3^2 - \frac{8}{7} \times \left(-\frac{3}{4}\right) \\ \frac{69}{7}$$

$$(9) \left(-\frac{3}{4}\right)^2 + \left(-\frac{3}{8}\right) \div \left(-\frac{1}{6}\right) \\ \frac{45}{16}$$

$$(10) \left(-\frac{3}{4}\right) \div \left(-\frac{7}{8}\right) - 4^2 \\ -\frac{106}{7}$$

4. 次の計算をしなさい。

$$(1) 1 + \frac{3}{4} \times \left(-\frac{8}{7}\right)$$
$$\frac{1}{7}$$

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

$$(3) (-6) \div (-4) + \left(-\frac{1}{3}\right) \times \left(-\frac{3}{4}\right)$$
$$\frac{7}{4}$$

$$(4) 1^2 - 4 \times \left(-\frac{1}{8}\right)$$
$$\frac{3}{2}$$

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

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

$$(7) (-4)^2 + \left(-\frac{10}{3}\right) \times \frac{2}{5}$$
$$\frac{44}{3}$$

$$(8) \left(\frac{1}{2}\right)^2 - (-4) \times \left(-\frac{5}{8}\right)$$
$$-\frac{9}{4}$$

$$(9) \left(\frac{3}{2}\right)^2 + \left(-\frac{1}{4}\right) \div \left(-\frac{3}{8}\right)$$
$$\frac{35}{12}$$

$$(10) 4 + \frac{3}{4} \div \left(-\frac{1}{8}\right)$$
$$-2$$