

正負の四則演算・応用 No.2

1. 次の計算をなさい。

$$(1) -\frac{3}{2} - \left(-\frac{5}{6}\right) \div \frac{11}{12}$$

$$(2) \frac{4}{5} + \left(-\frac{9}{10}\right) \div \left(-\frac{5}{6}\right)$$

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

$$(4) (-1) + \frac{3}{10} \times \left(-\frac{5}{3}\right)$$

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

$$(6) \left(-\frac{7}{9}\right) \div \left(-\frac{1}{12}\right) - 1$$

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

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

$$(9) 1 + \left(-\frac{10}{7}\right) \times \frac{4}{5}$$

$$(10) \left(-\frac{1}{4}\right) \div \frac{1}{6} + (-2)$$

2. 次の計算をなさい。

$$(1) \left(-\frac{1}{6}\right) \times \left(-\frac{6}{5}\right) + \frac{4}{3} \div \left(-\frac{5}{4}\right)$$

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

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

$$(4) \frac{6}{5} \div \frac{1}{2} + \left(-\frac{13}{15}\right) \div \left(-\frac{1}{3}\right)$$

$$(5) (-3) \div \frac{15}{4} + (-2) \div \frac{5}{6}$$

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

$$(7) \frac{1}{12} \div \frac{5}{6} - \left(-\frac{3}{5}\right) \div \left(-\frac{4}{3}\right)$$

$$(8) \frac{6}{5} \div \left(-\frac{2}{3}\right) + \left(-\frac{3}{2}\right) \div \left(-\frac{15}{11}\right)$$

$$(9) (-3) \div \left(-\frac{15}{2}\right) - \left(-\frac{6}{5}\right) \div \left(-\frac{1}{2}\right)$$

$$(10) \left(-\frac{4}{5}\right) \times \frac{3}{2} + \frac{5}{6} \div \left(-\frac{5}{6}\right)$$

3. 次の計算をなさい。

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

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

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

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

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

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

$$(7) (-4)^2 - \frac{1}{4} \div \left(-\frac{5}{8}\right)$$

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

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

$$(10) \left(\frac{3}{4}\right)^2 - \left(-\frac{11}{12}\right) \div \left(-\frac{1}{9}\right)$$

4. 次の計算をしなさい。

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

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

$$(3) \left(-\frac{5}{6}\right) \div \frac{5}{9} - \left(-\frac{3}{2}\right)^2$$

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

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

$$(6) \frac{1}{4} \div \left(-\frac{7}{8}\right) + 4^2$$

$$(7) -\frac{3}{2} - \frac{5}{6} \div \left(-\frac{2}{9}\right)$$

$$(8) \left(-\frac{8}{15}\right) \times \left(-\frac{3}{2}\right) + \frac{6}{5} \times \left(-\frac{1}{2}\right)$$

$$(9) (-2) \times \frac{3}{4} + \left(-\frac{1}{12}\right) \div \frac{1}{6}$$

$$(10) \left(-\frac{3}{4}\right) \times \left(-\frac{14}{15}\right) - \frac{1}{4} \times \left(-\frac{6}{5}\right)$$

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1. 次の計算をなさい。

$$(1) -\frac{3}{2} - \left(-\frac{5}{6}\right) \div \frac{11}{12}$$
$$-\frac{13}{22}$$

$$(2) \frac{4}{5} + \left(-\frac{9}{10}\right) \div \left(-\frac{5}{6}\right)$$
$$\frac{47}{25}$$

$$(3) \left(-\frac{7}{10}\right) \times \frac{5}{3} + (-2)$$
$$-\frac{19}{6}$$

$$(4) (-1) + \frac{3}{10} \times \left(-\frac{5}{3}\right)$$
$$-\frac{3}{2}$$

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

$$(6) \left(-\frac{7}{9}\right) \div \left(-\frac{1}{12}\right) - 1$$
$$\frac{25}{3}$$

$$(7) -1 + \frac{1}{8} \div \left(-\frac{3}{4}\right)$$
$$-\frac{7}{6}$$

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

$$(9) 1 + \left(-\frac{10}{7}\right) \times \frac{4}{5}$$
$$-\frac{1}{7}$$

$$(10) \left(-\frac{1}{4}\right) \div \frac{1}{6} + (-2)$$
$$-\frac{7}{2}$$

2. 次の計算をしなさい。

$$(1) \left(-\frac{1}{6}\right) \times \left(-\frac{6}{5}\right) + \frac{4}{3} \div \left(-\frac{5}{4}\right)$$
$$-\frac{13}{15}$$

$$(2) \left(-\frac{2}{3}\right) \times (-3) + (-6) \times (-1)$$
$$8$$

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

$$(4) \frac{6}{5} \div \frac{1}{2} + \left(-\frac{13}{15}\right) \div \left(-\frac{1}{3}\right)$$
$$5$$

$$(5) (-3) \div \frac{15}{4} + (-2) \div \frac{5}{6}$$
$$-\frac{16}{5}$$

$$(6) 2 \div \left(-\frac{1}{4}\right) + \left(-\frac{1}{2}\right) \times 6$$
$$-11$$

$$(7) \frac{1}{12} \div \frac{5}{6} - \left(-\frac{3}{5}\right) \div \left(-\frac{4}{3}\right)$$
$$-\frac{7}{20}$$

$$(8) \frac{6}{5} \div \left(-\frac{2}{3}\right) + \left(-\frac{3}{2}\right) \div \left(-\frac{15}{11}\right)$$
$$-\frac{7}{10}$$

$$(9) (-3) \div \left(-\frac{15}{2}\right) - \left(-\frac{6}{5}\right) \div \left(-\frac{1}{2}\right)$$
$$-2$$

$$(10) \left(-\frac{4}{5}\right) \times \frac{3}{2} + \frac{5}{6} \div \left(-\frac{5}{6}\right)$$
$$-\frac{11}{5}$$

3. 次の計算をしなさい。

$$(1) (-10) \times \frac{3}{4} - \left(\frac{3}{2}\right)^2$$
$$-\frac{39}{4}$$

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

$$(3) \left(-\frac{3}{4}\right) \div \frac{5}{6} + \left(\frac{1}{2}\right)^2$$
$$-\frac{13}{20}$$

$$(4) 4^2 - \frac{3}{4} \times \left(-\frac{8}{5}\right)$$
$$\frac{86}{5}$$

$$(5) \left(-\frac{1}{2}\right)^2 - \left(-\frac{3}{10}\right) \times \left(-\frac{5}{4}\right)$$
$$-\frac{1}{8}$$

$$(6) \left(-\frac{5}{8}\right) \times \left(-\frac{4}{3}\right) - (-2)^2$$
$$-\frac{19}{6}$$

$$(7) (-4)^2 - \frac{1}{4} \div \left(-\frac{5}{8}\right)$$
$$\frac{82}{5}$$

$$(8) \frac{3}{4} \times \left(-\frac{8}{7}\right) - (-1)^2$$
$$-\frac{13}{7}$$

$$(9) 4^2 + \left(-\frac{2}{5}\right) \times \left(-\frac{10}{9}\right)$$
$$\frac{148}{9}$$

$$(10) \left(\frac{3}{4}\right)^2 - \left(-\frac{11}{12}\right) \div \left(-\frac{1}{9}\right)$$
$$-\frac{123}{16}$$

4. 次の計算をなさい。

$$(1) \frac{8}{7} \times \left(-\frac{3}{4}\right) + 4$$
$$\frac{22}{7}$$

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

$$(3) \left(-\frac{5}{6}\right) \div \frac{5}{9} - \left(-\frac{3}{2}\right)^2$$
$$-\frac{15}{4}$$

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

$$(5) \frac{3}{2} \times (-6) + \frac{5}{3} \div \left(-\frac{2}{3}\right)$$
$$-\frac{23}{2}$$

$$(6) \frac{1}{4} \div \left(-\frac{7}{8}\right) + 4^2$$
$$\frac{110}{7}$$

$$(7) -\frac{3}{2} - \frac{5}{6} \div \left(-\frac{2}{9}\right)$$
$$\frac{9}{4}$$

$$(8) \left(-\frac{8}{15}\right) \times \left(-\frac{3}{2}\right) + \frac{6}{5} \times \left(-\frac{1}{2}\right)$$
$$\frac{1}{5}$$

$$(9) (-2) \times \frac{3}{4} + \left(-\frac{1}{12}\right) \div \frac{1}{6}$$
$$-2$$

$$(10) \left(-\frac{3}{4}\right) \times \left(-\frac{14}{15}\right) - \frac{1}{4} \times \left(-\frac{6}{5}\right)$$
$$1$$