

得点		演習問題 乗法と除法 ③	実施日	月 日	氏名
----	--	------------------------	-----	-----	----

【1】 次の計算をなさい。

- ① $(-2)^3 \div 2$ ② $(-4)^2 \div (-1)^2$
- ③ $(-4)^2 \div (-2)^3$ ④ $(-2)^2 \times (-1)^3$
- ⑤ $-3 \times (-2)^2 \div 6$
- ⑥ $(-2)^2 \div 12 \times 3^2$
- ⑦ $(-3^2) \times (-2)^3 \div 6$
- ⑧ $(-3^2) \div (-3) \times (-2)^3$
- ⑨ $(-3)^3 \times (-2)^2 \div 3$
- ⑩ $36 \div (-2)^3 \div (-3)^2$

【2】 次の計算をなさい。

- ① $\left(-\frac{2}{3}\right) \times \frac{7}{5} \div \frac{6}{5}$
- ② $15 \div (-8) \times \left(-\frac{16}{5}\right)$
- ③ $\frac{5}{6} \div (-2) \times \frac{9}{4}$
- ④ $\frac{3}{5} \times \frac{1}{4} \div \left(-\frac{3}{8}\right)$

【3】 次の計算をなさい。

- ① $\frac{2}{3} \div \left(-\frac{5}{6}\right) \times \left(-\frac{1}{2}\right)$
- ② $\left(-\frac{3}{4}\right) \div \left(-\frac{8}{9}\right) \div \left(-\frac{3}{2}\right)$
- ③ $\left(-\frac{4}{5}\right) \times \frac{7}{2} \div \left(-\frac{21}{10}\right)$
- ④ $\left(-\frac{1}{3}\right) \div (-0.4) \div \left(-\frac{2}{5}\right)$
- ⑤ $8 \times \left(-\frac{1}{2}\right)^2$
- ⑥ $12 \times \left(-\frac{1}{4}\right)^2 \times \frac{2}{3}$
- ⑦ $(-36) \div (-2)^2 \times \left(-\frac{1}{3}\right)^2$
- ⑧ $\left(\frac{1}{3}\right)^2 \times \left(-\frac{1}{2}\right) \div \left(-\frac{2}{3}\right)^2$
- ⑨ $\left(-\frac{1}{4}\right)^2 \times (-6)^2 \div (-3^2)$
- ⑩ $(-3)^2 \div \left(-\frac{9}{5}\right)^2 \times \left(-\frac{18}{5}\right)$

得点		演習問題〔解答〕	実施日	月 日	氏名

【1】 次の計算をなさい。

$$\textcircled{1} \quad (-2)^3 \div 2 = (-8) \div 2 = \underline{-4} \qquad \textcircled{2} \quad (-4)^2 \div (-1)^2 = 16 \div 1 = \underline{16}$$

$$\textcircled{3} \quad (-4)^2 \div (-2)^3 = 16 \div (-8) = \underline{-2} \qquad \textcircled{4} \quad (-2)^2 \times (-1)^3 = 4 \times (-1) = \underline{-4}$$

$$\textcircled{5} \quad -3 \times (-2)^2 \div 6 = -3 \times 4 \div 6 = \underline{-2}$$

$$\textcircled{6} \quad (-2)^2 \div 12 \times 3^2 = 4 \div 12 \times 9 = \frac{4 \times 9}{12} = \underline{3}$$

$$\textcircled{7} \quad (-3^2) \times (-2)^3 \div 6 = (-9) \times (-8) \div 6 = \underline{12}$$

$$\textcircled{8} \quad (-3^2) \div (-3) \times (-2)^3 = (-9) \div (-3) \times (-8) = \underline{-24}$$

$$\textcircled{9} \quad (-3)^3 \times (-2)^2 \div 3 = (-27) \times 4 \div 3 = \underline{-36}$$

$$\textcircled{10} \quad 36 \div (-2)^3 \div (-3)^2 = 36 \div (-8) \div 9 = -\frac{36}{8 \times 9} = \underline{-\frac{1}{2}}$$

【2】 次の計算をなさい。

$$\textcircled{1} \quad \left(-\frac{2}{3}\right) \times \frac{7}{5} \div \frac{6}{5} = -\frac{2}{3} \times \frac{7}{5} \times \frac{5}{6} = \underline{-\frac{7}{9}}$$

$$\textcircled{2} \quad 15 \div (-8) \times \left(-\frac{16}{5}\right) = \frac{15}{1} \times \frac{1}{8} \times \frac{16}{5} = \underline{6}$$

$$\textcircled{3} \quad \frac{5}{6} \div (-2) \times \frac{9}{4} = -\frac{5}{6} \times \frac{1}{2} \times \frac{9}{4} = \underline{-\frac{15}{16}}$$

$$\textcircled{4} \quad \frac{3}{5} \times \frac{1}{4} \div \left(-\frac{3}{8}\right) = -\frac{3}{5} \times \frac{1}{4} \times \frac{8}{3} = \underline{-\frac{2}{5}}$$

【3】 次の計算をなさい。

$$\textcircled{1} \quad \frac{2}{3} \div \left(-\frac{5}{6}\right) \times \left(-\frac{1}{2}\right) = \frac{2}{3} \times \frac{6}{5} \times \frac{1}{2} = \underline{\frac{2}{5}}$$

$$\textcircled{2} \quad \left(-\frac{3}{4}\right) \div \left(-\frac{8}{9}\right) \div \left(-\frac{3}{2}\right) = -\frac{3}{4} \times \frac{9}{8} \times \frac{2}{3} = \underline{-\frac{9}{16}}$$

$$\textcircled{3} \quad \left(-\frac{4}{5}\right) \times \frac{7}{2} \div \left(-\frac{21}{10}\right) = \frac{4}{5} \times \frac{7}{2} \times \frac{10}{21} = \underline{\frac{4}{3}}$$

$$\textcircled{4} \quad \left(-\frac{1}{3}\right) \div (-0.4) \div \left(-\frac{2}{5}\right) = -\frac{1}{3} \times \frac{5}{2} \times \frac{5}{2} = \underline{-\frac{25}{12}}$$

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

$$\textcircled{6} \quad 12 \times \left(-\frac{1}{4}\right)^2 \times \frac{2}{3} = \frac{12}{1} \times \frac{1}{16} \times \frac{2}{3} = \underline{\frac{1}{2}}$$

$$\textcircled{7} \quad (-36) \div (-2)^2 \times \left(-\frac{1}{3}\right)^2 = (-36) \div 4 \times \frac{1}{9} = \underline{-1}$$

$$\textcircled{8} \quad \left(\frac{1}{3}\right)^2 \times \left(-\frac{1}{2}\right) \div \left(-\frac{2}{3}\right)^2 = -\frac{1}{9} \times \frac{1}{2} \times \frac{9}{4} = \underline{-\frac{1}{8}}$$

$$\textcircled{9} \quad \left(-\frac{1}{4}\right)^2 \times (-6)^2 \div (-3^2) = \frac{1}{16} \times 36 \div (-9) = -\frac{36}{16 \times 9} = \underline{-\frac{1}{4}}$$

$$\textcircled{10} \quad (-3)^2 \div \left(-\frac{9}{5}\right) \times \left(-\frac{18}{5}\right) = 9 \div \frac{81}{25} \times \left(-\frac{18}{5}\right) = -\frac{9}{1} \times \frac{25}{81} \times \frac{18}{5} = \underline{-10}$$