

問題

1 次の計算をしなさい。

(1) $(+8)+(-6)-(-4)$

答

(2) $-2+4-5+6$

答

(3) $(-2.3)+(-5.8)-(-6.7)$

答

(4) $2-(-8.3)-9.2+1.8$

答

(5) $\frac{9}{14}-\frac{5}{6}-\left(-\frac{4}{21}\right)$

答

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

答

(7) $-18-\{-23+(-17-32)\}$

答

2 次の計算をしなさい。

(1) $(-12)\times 4\div(-8)$

答

(2) $2^3\times(-4)\div(-8)^2$

答

(3) $(-3^2)\div(-6)^2\times(-1)^3$

答

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

答

(5) $27\div\left(-\frac{18}{5}\right)\times\frac{4}{25}$

答

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

答

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

答

① 次の計算をしなさい。

(1) $(+8)+(-6)-(-4)$

$$\begin{aligned} &= +8-6+4 \\ &= 12-6=6 \end{aligned}$$

答 6

(2) $-2+4-5+6$

$$\begin{aligned} &= 4+6-2-5 \\ &= 10-7=3 \end{aligned}$$

答 3

(3) $(-2.3)+(-5.8)-(-6.7)$

$$\begin{aligned} &= -2.3-5.8+6.7 \\ &= -8.1+6.7=-1.4 \end{aligned}$$

答 -1.4

(4) $2-(-8.3)-9.2+1.8$

$$\begin{aligned} &= 2+8.3-9.2+1.8=10.3+1.8-9.2 \\ &= 12.1-9.2=2.9 \end{aligned}$$

答 2.9

(5) $\frac{9}{14}-\frac{5}{6}-\left(-\frac{4}{21}\right)$

$$\begin{aligned} &= \frac{27}{42}-\frac{5}{6}+\frac{8}{42}=\frac{35}{42}-\frac{5}{6} \\ &= \frac{5}{6}-\frac{5}{6}=0 \end{aligned}$$

答 0

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

$$\begin{aligned} &= -\frac{2}{3}+\frac{3}{4}+\frac{1}{6}-\frac{1}{8}=\frac{9}{12}+\frac{2}{12}-\frac{16}{24}-\frac{3}{24} \\ &= \frac{11}{12}-\frac{19}{24}=\frac{22}{24}-\frac{19}{24}=\frac{3}{24}=\frac{1}{8} \end{aligned}$$

答 $\frac{1}{8}$

(7) $-18-\{-23+(-17-32)\}$

$$\begin{aligned} &= -18-\{-23+(-49)\}=-18-(-72) \\ &= -18+72=54 \end{aligned}$$

答 54

② 次の計算をしなさい。

(1) $(-12)\times 4\div(-8)$

$$\begin{aligned} &= +12\times 4\div 8 \\ &= 6 \end{aligned}$$

答 6

(2) $2^3\times(-4)\div(-8)^2$

$$\begin{aligned} &= 8\times(-4)\div 64=-\frac{18\times 4}{64}=-\frac{1}{2} \end{aligned}$$

答 $-\frac{1}{2}$

(3) $(-3^2)\div(-6)^2\times(-1)^3$

$$\begin{aligned} &= (-9)\div 36\times(-1)=+\frac{9\times 1}{36}=+\frac{1}{4}=\frac{1}{4} \end{aligned}$$

答 $\frac{1}{4}$

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

$$\begin{aligned} &= +\frac{3}{5}\times 10\times \frac{2}{1}=12 \end{aligned}$$

答 12

(5) $27\div\left(-\frac{18}{5}\right)\times \frac{4}{25}$

$$\begin{aligned} &= -27\times \frac{5}{18}\times \frac{4}{25}=-\frac{6}{5} \end{aligned}$$

答 $-\frac{6}{5}$

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

$$\begin{aligned} &= \left(-\frac{1}{64}\right)\times(-36)\times \frac{2}{3}=+\frac{1}{64}\times 36\times \frac{2}{3}=\frac{3}{8} \end{aligned}$$

答 $\frac{3}{8}$

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

$$\begin{aligned} &= \frac{3}{4}\times\left(-\frac{8}{5}\right)\times \frac{1}{9}\times \frac{5}{16}=-\frac{3}{4}\times \frac{8}{5}\times \frac{1}{9}\times \frac{5}{16}=-\frac{1}{24} \end{aligned}$$

答 $-\frac{1}{24}$