

正負の数、累乗をふくむ四則混合

例題 次の計算をなさい。

(1) $(-2)^3 - 3^2$

答

(2) $2 \times (-5) + (-4)^2 \div 8$

答

(3) $-2^3 - (-3^2) \times 2$

答

問題 次の計算をなさい。

(1) $(-2)^2 - 6$

答

(4) $18 - (-24) \div (-2)^3$

答

(2) $(-3)^2 - 2^3$

答

(5) $3^2 - (-1^2) \times (-5)$

答

(3) $-5 \times (-2^3) + 2 \times (-3)^2$

答

(6) $-2^3 + 4 \times (-3)^2$

答

問題 次の計算をしなさい。

(1) $-6^2 \div 12 - 3 \times (-1)^4$

答

(2) $-3^2 \times 7 + 3 \times (-2)^2$

答

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

答

(4) $-5^2 - 4 \times (-8)$

答

(5) $-6 - (-4)^3 \div (-4^2)$

答

(6) $-4^2 - 5 \times (-4^2)$

答

(7) $-12 + (-1)^4 \times 5 - (-3^2)$

答

(8) $3 \times (-4)^2 \times 5 + (-5)^3$

答

正負の数、累乗をふくむ四則混合

例題 次の計算をなさい。

(1) $(-2)^3 - 3^2$

★

$$\begin{aligned} & (-2)^3 - 3^2 \\ & = (-8) - 9 \\ & = -17 \end{aligned}$$

答 -17

(2) $2 \times (-5) + (-4)^2 \div 8$

★

$$\begin{aligned} & 2 \times (-5) + (-4)^2 \div 8 \\ & = 2 \times (-5) + (+16) \div 8 \\ & = -10 + (+2) \\ & = -8 \end{aligned}$$

答 -8

(3) $-2^3 - (-3^2) \times 2$

★

$$\begin{aligned} & -2^3 - (-3^2) \times 2 \\ & = -8 - (-9) \times 2 \\ & = -8 - (-18) \\ & = -8 + 18 \\ & = 10 \end{aligned}$$

答 10

問題 次の計算をなさい。

(1) $(-2)^2 - 6$

★

$$\begin{aligned} & (-2)^2 - 6 \\ & = 4 - 6 \\ & = -2 \end{aligned}$$

答 -2

(2) $(-3)^2 - 2^3$

★

$$\begin{aligned} & (-3)^2 - 2^3 \\ & = 9 - 8 \\ & = 1 \end{aligned}$$

答 1

(3) $-5 \times (-2^3) + 2 \times (-3)^2$

★

$$\begin{aligned} & -5 \times (-2^3) + 2 \times (-3)^2 \\ & = -5 \times (-8) + 2 \times (+9) \\ & = 40 + 18 \\ & = 58 \end{aligned}$$

答 58

(4) $18 - (-24) \div (-2)^3$

★

$$\begin{aligned} & 18 - (-24) \div (-2)^3 \\ & = 18 - (-24) \div (-8) \\ & = 18 - (+3) \\ & = 18 - 3 \\ & = 15 \end{aligned}$$

答 15

(5) $3^2 - (-1^2) \times (-5)$

★

$$\begin{aligned} & 3^2 - (-1^2) \times (-5) \\ & = 9 - (-1) \times (-5) \\ & = 9 - (+5) \\ & = 9 - 5 \\ & = 4 \end{aligned}$$

答 4

(6) $-2^3 + 4 \times (-3)^2$

★

$$\begin{aligned} & -2^3 + 4 \times (-3)^2 \\ & = -8 + 4 \times (+9) \\ & = -8 + (+36) \\ & = 28 \end{aligned}$$

答 28

問題 次の計算をなさい。

(1) $-6^2 \div 12 - 3 \times (-1)^4$

★

$$\begin{aligned} & -6^2 \div 12 - 3 \times (-1)^4 \\ & = -36 \div 12 - 3 \times (+1) \\ & = -3 - 3 \\ & = -6 \end{aligned}$$

答 -6

(2) $-3^2 \times 7 + 3 \times (-2)^2$

★

$$\begin{aligned} & -3^2 \times 7 + 3 \times (-2)^2 \\ & = -9 \times 7 + 3 \times (+4) \\ & = -63 + 12 \\ & = -51 \end{aligned}$$

答 -51

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

★

$$\begin{aligned} & (-2)^3 \div 4 - 3 \times (-4) \\ & = (-8) \div 4 - 3 \times (-4) \\ & = -2 - (-12) \\ & = -2 + 12 \\ & = 10 \end{aligned}$$

答 10

(4) $-5^2 - 4 \times (-8)$

★

$$\begin{aligned} & -5^2 - 4 \times (-8) \\ & = -25 - (-32) \\ & = -25 + 32 \\ & = 7 \end{aligned}$$

答 7

(5) $-6 - (-4)^3 \div (-4^2)$

★

$$\begin{aligned} & -6 - (-4)^3 \div (-4^2) \\ & = -6 - (-64) \div (-16) \\ & = -6 - (+4) \\ & = -10 \end{aligned}$$

答 -10

(6) $-4^2 - 5 \times (-4^2)$

★

$$\begin{aligned} & -4^2 - 5 \times (-4^2) \\ & = -16 - 5 \times (-16) \\ & = -16 + 80 \\ & = 64 \end{aligned}$$

答 64

(7) $-12 + (-1)^4 \times 5 - (-3^2)$

★

$$\begin{aligned} & -12 + (-1)^4 \times 5 - (-3^2) \\ & = -12 + (+1) \times 5 - (-9) \\ & = -12 + (+5) - (-9) \\ & = -7 + 9 \\ & = 2 \end{aligned}$$

答 2

(8) $3 \times (-4)^2 \times 5 + (-5)^3$

★

$$\begin{aligned} & 3 \times (-4)^2 \times 5 + (-5)^3 \\ & = 3 \times (+16) \times 5 + (-125) \\ & = +240 + (-125) \\ & = 240 - 125 \\ & = 115 \end{aligned}$$

答 115