

## 正の数と負の数 [累乗]

---

<演習問題>

次の計算をせよ。

(1)  $3^2$

(2)  $2^4$

(3)  $(-6)^2$

(4)  $-4^2$

(5)  $5^2$

(6)  $-9^2$

(7)  $-1^3$

(8)  $(-1)^2$

(9)  $(-3)^3$

(10)  $2^3 \times 3$

(11)  $(-3)^2 \times 2$

(12)  $(-2^2) \times 5$

(13)  $(-3)^3 \times (-1)$

(14)  $4 \times 3^2$

(15)  $(-7) \times (-2^2)$

(16)  $2 \times (-7^2)$

(17)  $\left(\frac{7}{5}\right)^2$

(18)  $-\frac{2^3}{3}$

(19)  $\left(-\frac{4}{3}\right)^2$

(20)  $-\frac{4^2}{3}$

## 正の数と負の数 [累乗]

---

### <演習問題>

次の計算をせよ。

$$(1) \quad 3^2 \\ 3^2 = 3 \times 3 \\ = 9$$

$$(2) \quad 2^4 \\ 2^4 = 2 \times 2 \times 2 \times 2 \\ = 16$$

$$(3) \quad (-6)^2 \\ (-6)^2 = (-6) \times (-6) \\ = 36$$

$$(4) \quad -4^2 \\ -4^2 = -(4 \times 4) \\ = -16$$

$$(5) \quad 5^2 \\ 5^2 = 5 \times 5 \\ = 25$$

$$(6) \quad -9^2 \\ -9^2 = -(9 \times 9) \\ = -81$$

$$(7) \quad -1^3 \\ -1^3 = -(1 \times 1 \times 1) \\ = -1$$

$$(8) \quad (-1)^2 \\ (-1)^2 = (-1) \times (-1) \\ = 1$$

$$(9) \quad (-3)^3 \\ (-3)^3 = (-3) \times (-3) \times (-3) \\ = -27$$

$$(10) \quad 2^3 \times 3 \\ 2^3 \times 3 = 8 \times 3 \\ = 24$$

$$(11) \quad (-3)^2 \times 2 \\ (-3)^2 \times 2 = 9 \times 2 \\ = 18$$

$$(12) \quad (-2^2) \times 5 \\ (-2^2) \times 5 = (-4) \times 5 \\ = -20$$

$$(13) \quad (-3)^3 \times (-1) \\ (-3)^3 \times (-1) = (-27) \times (-1) \\ = 27$$

$$(14) \quad 4 \times 3^2 \\ 4 \times 3^2 = 4 \times 9 \\ = 36$$

$$(15) \quad (-7) \times (-2^2) \\ (-7) \times (-2^2) = (-7) \times (-4) \\ = 28$$

$$(16) \quad 2 \times (-7^2) \\ 2 \times (-7^2) = 2 \times (-49) \\ = -98$$

$$(17) \quad \left(\frac{7}{5}\right)^2 \\ \left(\frac{7}{5}\right)^2 = \frac{7}{5} \times \frac{7}{5} \\ = \frac{49}{25}$$

$$(18) \quad -\frac{2^3}{3} \\ -\frac{2^3}{3} = -\frac{2 \times 2 \times 2}{3} \\ = -\frac{8}{3}$$

$$(19) \quad \left(-\frac{4}{3}\right)^2 \\ \left(-\frac{4}{3}\right)^2 = \left(-\frac{4}{3}\right) \times \left(-\frac{4}{3}\right) \\ = \frac{16}{9}$$

$$(20) \quad -\frac{4^2}{3} \\ -\frac{4^2}{3} = -\frac{4 \times 4}{3} \\ = -\frac{16}{3}$$