

指数法則 (その 1)

$$a^2 \times a^5$$

指数法則 (その1)

$$a^2 \times a^5$$
$$= \underbrace{a \times a}_{2 \text{ 個}} \times \underbrace{a \times a \times a \times a \times a}_{5 \text{ 個}}$$

指数法則 (その1)

$$\begin{aligned} & a^2 \times a^5 \\ = & \underbrace{a \times a}_{2 \text{ 個}} \times \underbrace{a \times a \times a \times a \times a}_{5 \text{ 個}} \\ = & \underbrace{a \times a \times a \times a \times a \times a \times a}_{7 \text{ 個}} \end{aligned}$$

指数法則 (その1)

$$\begin{aligned} & a^2 \times a^5 \\ = & \underbrace{a \times a}_{2 \text{ 個}} \times \underbrace{a \times a \times a \times a \times a}_{5 \text{ 個}} \\ = & \underbrace{a \times a \times a \times a \times a \times a \times a}_{7 \text{ 個}} \\ = & a^7 \end{aligned}$$

指数法則 (その 2)

$$(a^2)^3$$

指数法則 (その 2)

$$= \underbrace{a^2 \times a^2 \times a^2}_{3 \text{ 個}} (a^2)^3$$

指数法則 (その2)

$$\begin{aligned} & (a^2)^3 \\ = & \underbrace{a^2 \times a^2 \times a^2}_{3 \text{ 個}} \\ = & \underbrace{a \times a}_{2 \text{ 個}} \times \underbrace{a \times a}_{2 \text{ 個}} \times \underbrace{a \times a}_{2 \text{ 個}} \end{aligned}$$

指数法則 (その2)

$$\begin{aligned} & (a^2)^3 \\ = & \underbrace{a^2 \times a^2 \times a^2}_{3 \text{ 個}} \\ = & \underbrace{a \times a}_{2 \text{ 個}} \times \underbrace{a \times a}_{2 \text{ 個}} \times \underbrace{a \times a}_{2 \text{ 個}} \\ = & \underbrace{a \times a \times a \times a \times a \times a}_{6 \text{ 個}} \end{aligned}$$

指数法則 (その2)

$$\begin{aligned} & (a^2)^3 \\ = & \underbrace{a^2 \times a^2 \times a^2}_{3 \text{ 個}} \\ = & \underbrace{a \times a}_{2 \text{ 個}} \times \underbrace{a \times a}_{2 \text{ 個}} \times \underbrace{a \times a}_{2 \text{ 個}} \\ = & \underbrace{a \times a \times a \times a \times a \times a}_{6 \text{ 個}} \\ = & a^6 \end{aligned}$$