

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)

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

指数法則 (その 2)

$$(a^2)^3$$

指数法則 (その2)

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

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)

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

単項式のかけ算（その 1）

$$6x^3 \times 4x^2$$

単項式のかけ算 (その 1)

$$6x^3 \times 4x^2$$

$$= 6xxx \times 4xx$$

単項式のかけ算（その 1）

$$\begin{aligned} & 6x^3 \times 4x^2 \\ &= 6xxx \times 4xx \\ &= 24x^5 \quad \boxed{\text{答}} \end{aligned}$$

単項式のかけ算 (その 2)

$$(5x^3)^2 \times 3x^7$$

単項式のかけ算 (その 2)

$$\begin{aligned} & (5x^3)^2 \times 3x^7 \\ = & 5x^3 \times 5x^3 \times 3x^7 \end{aligned}$$

単項式のかけ算 (その 2)

$$\begin{aligned} & (5x^3)^2 \times 3x^7 \\ = & 5x^3 \times 5x^3 \times 3x^7 \\ = & 5xxx \times 5xxx \times 3xxxxxxx \end{aligned}$$

単項式のかけ算 (その 2)

$$\begin{aligned} & (5x^3)^2 \times 3x^7 \\ = & 5x^3 \times 5x^3 \times 3x^7 \\ = & 5xxx \times 5xxx \times 3xxxxxxx \\ = & 75x^{13} \quad \boxed{\text{答}} \end{aligned}$$