m, n 이 자연수일 때, $a^m \times a^n = a^{m+n}$
$(a^m \times a^n = a^{m+n}$ (m, n are natural numbers.))

▶ Start

$$a^m$$

$a^m \times a^n = a^{m+n}$ (m, n are natural numbers.)

$$a^m \times$$

▶ Start

$$a^m \times a^n =$$

▶ Start

$$a^m \times a^n = \underbrace{a \times \cdots \times a}_{m}$$

▶ Start

$$a^m \times a^n = \underbrace{a \times \cdots \times a}_{m} \times$$

$a^m \times a^n = a^{m+n}$ (m, n are natural numbers.)

$$a^m \times a^n = \underbrace{a \times \cdots \times a}_{m} \times \underbrace{a \times \cdots \times a}_{n}$$

▶ Start

$$a^m \times a^n = \underbrace{\underbrace{a \times \cdots \times a}_{m} \times \underbrace{a \times \cdots \times a}_{n}}_{m+n}$$

▸ Start

$$a^m \times a^n = \underbrace{\underbrace{a \times \cdots \times a}_{m} \times \underbrace{a \times \cdots \times a}_{n}}_{m+n}$$

$$= \underbrace{a \times \cdots \times a}_{m+n}$$

▶ Start

$$a^m \times a^n = \underbrace{\underbrace{a \times \cdots \times a}_{m} \times \underbrace{a \times \cdots \times a}_{n}}_{m+n}$$

$$= \underbrace{a \times \cdots \times a}_{m+n}$$

$$= a^{m+n}$$

▸ Start

$$a^m \times a^n = \underbrace{\underbrace{a \times \cdots \times a}_{m} \times \underbrace{a \times \cdots \times a}_{n}}_{m+n}$$

$$= \underbrace{a \times \cdots \times a}_{m+n}$$

$$= a^{m+n}$$

$$\therefore$$

▸ Start

$$a^m \times a^n = \underbrace{\underbrace{a \times \cdots \times a}_{m} \times \underbrace{a \times \cdots \times a}_{n}}_{m+n}$$

$$= \underbrace{a \times \cdots \times a}_{m+n}$$

$$= a^{m+n}$$

$$\therefore a^m$$

$a^m \times a^n = a^{m+n}$ (m, n are natural numbers.)

$$a^m \times a^n = \underbrace{\underbrace{a \times \cdots \times a}_{m} \times \underbrace{a \times \cdots \times a}_{n}}_{m+n}$$

$$= \underbrace{a \times \cdots \times a}_{m+n}$$

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$$\therefore a^m \times$$

▶ Start

$$a^m \times a^n = \underbrace{\underbrace{a \times \cdots \times a}_{m} \times \underbrace{a \times \cdots \times a}_{n}}_{m+n}$$

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$$= a^{m+n}$$

$$\therefore a^m \times a^n =$$

▸ Start

$$a^m \times a^n = \underbrace{\underbrace{a \times \cdots \times a}_{m} \times \underbrace{a \times \cdots \times a}_{n}}_{m+n}$$

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$$\therefore a^m \times a^n = a^{m+n}$$

▶ Start

$$a^m \times a^n = \underbrace{\underbrace{a \times \cdots \times a}_{m} \times \underbrace{a \times \cdots \times a}_{n}}_{m+n}$$

$$= \underbrace{a \times \cdots \times a}_{m+n}$$

$$= a^{m+n}$$

$$\therefore a^m \times a^n = a^{m+n}$$

END