

27 Jan '26

$$a^0 = a^{m-m} = \frac{a^m}{a^m} = 1 \quad (\text{only if } a \neq 0)$$

If $a=0$:

(say $m \in \mathbb{N}$)

$$0^0 = \frac{0^{m-m}}{0^m} = \frac{0^m}{0^m} = \frac{0}{0}$$

= not defined

$$0 \times 1 = 0 \Rightarrow \frac{0}{1} = 1 ?$$

$$0 \times 2 = 0 \Rightarrow \frac{0}{2} = 2 ?$$

$$0 \times 3 = 0 \Rightarrow \frac{0}{3} = 3 ?$$

→ Checked previous HUs

→ Created AI word problem S

HW: Correct and solve these problems

HW: Check the document on large Roman numerals

HW: Complete the code for Roman numeral conversion