

Given Measurements:

$$100 \times 1000 = 100^2 \times 100^2$$

$$100 \times 1000 = 100^2 \times 10^2$$

Final Answer

$$1000 = 10^3$$

$$1000 = 10^3$$

$$1000 = 10^3$$

Standardize Measurements:



$$1000 \text{ m} \times 1000 \text{ m} \\ 10^3 \times 10^3 = 10^6$$



$$1000 \text{ m} \times 100 \text{ m} \\ 10^3 \times 10^2 = 10^5$$



$$1000 \text{ m} \times 10 \text{ m} \\ 10^3 \times 10^1 = 10^4$$



$$1000 \text{ m} \times 1 \text{ m} \\ 10^3 \times 10^0 = 10^3$$



$$1000 \text{ m} \times 0.1 \text{ m} \\ 10^3 \times 10^{-1} = 10^2$$



$$1000 \text{ m} \times 0.01 \text{ m} \\ 10^3 \times 10^{-2} = 10^1$$

—Answer 1 on