

Scientific Notation

Using Decimals & 10s

Name _____

Date _____

Period _____

Review

$$1.61257 \cdot 10 \cdot 10 \cdot 10 = 1.61257 \cdot 10^{\square} = \underline{\hspace{2cm}}$$

$$1.61257 \cdot 10 \cdot 10 \cdot 10 \cdot 10 \cdot 10 = 1.61257 \cdot 10^{\square} = \underline{\hspace{2cm}}$$

Find the Pattern

$$23.14159 \cdot 10^5 = \underline{\hspace{2cm}}$$

$$23.14159 \cdot 10^4 = \underline{\hspace{2cm}}$$

$$23.14159 \cdot 10^3 = \underline{\hspace{2cm}}$$

$$23.14159 \cdot 10^2 = \underline{\hspace{2cm}}$$

$$23.14159 \cdot 10^1 = \underline{\hspace{2cm}}$$

Continue the pattern

$$23.14159 \cdot 10^0 = \underline{\hspace{2cm}}$$

$$23.14159 \cdot 10^{-1} = \underline{\hspace{2cm}}$$

$$23.14159 \cdot 10^{-2} = \underline{\hspace{2cm}}$$

What's the rule?

What happens when the exponent is 0?

When the exponent is negative?
