

Exponent Activity

Goal: You will create a visual representation of an exponent to show how rapidly the value increase.

Step 1: Brainstorm topics:

Soccer Aliens Cars Flowers
Trees Countries

Step 2: Choose a value written in exponential form. Be sure not to make it too large. 4^3

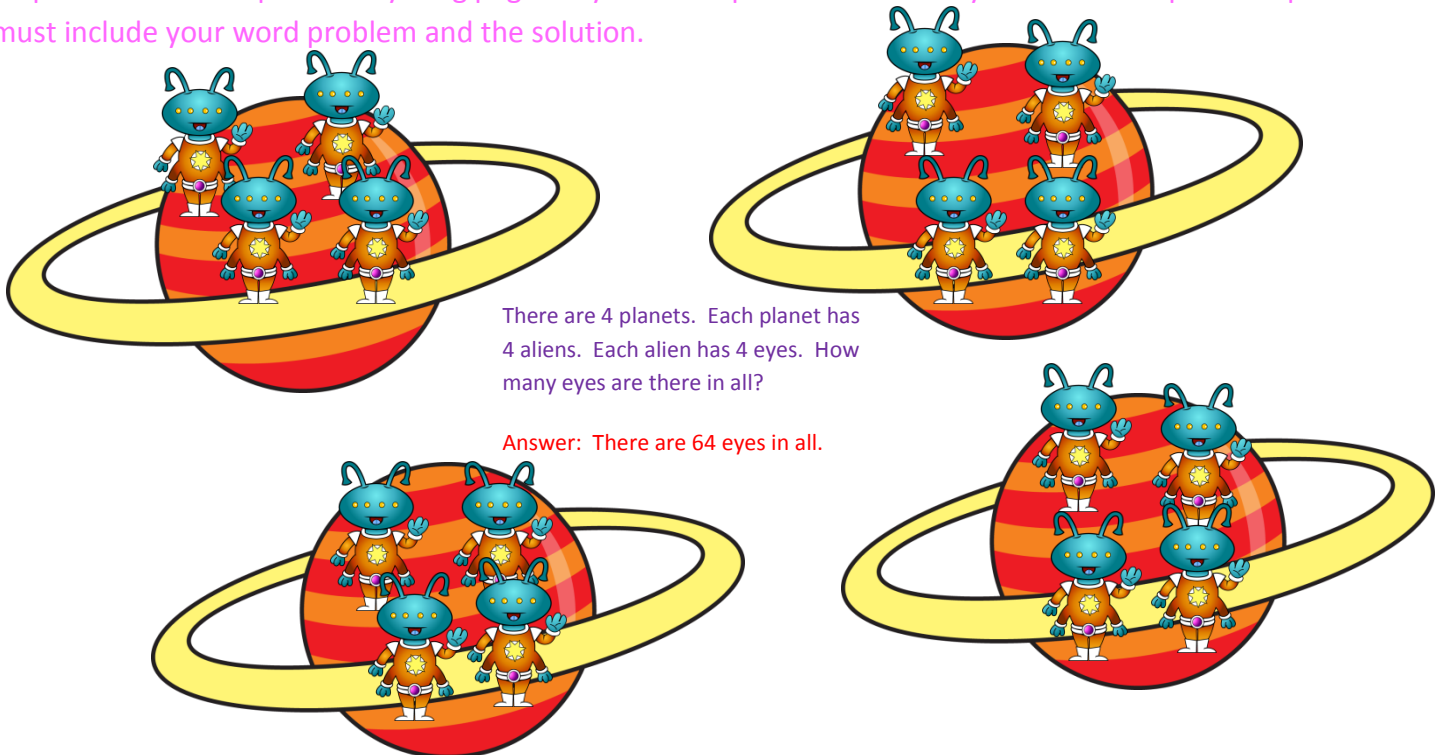
Write it in expanded form and standard form and state what each number will represent in your drawing.

$4 \times 4 \times 4 = 64$ There will be a total of 64 eyes
Plants Aliens Eyes

Step 3: Create a word problem that matches your value.

There are 4 planets. Each planet has 4 aliens. Each alien has 4 eyes. How many eyes are there in all?

Step 4: Create an Explain Everything page for your word problem. Be sure you use the 'duplicate' option. You must include your word problem and the solution.



There are 4 planets. Each planet has 4 aliens. Each alien has 4 eyes. How many eyes are there in all?

Answer: There are 64 eyes in all.