

Portfolio Reflection #5 - Exponents

In math we are learning about exponents and the rules involved with them. I thought this was fun for many reasons. First, it makes exponents easier because you can simplify them instead of having a very large number to work with, which obviously makes it easier. Second, it is cool to have a challenge, and trying to remember all the rules is kind of hard. I always mix them up. Also, our teacher, Kathy, makes up games to go along with learning, which makes it a whole lot easier. I always remember the games that we play, but never the worksheets. In conclusion, I thought learning about exponents was a cool lesson.

- Solution to difficult or non-routine problem, that demonstrates originality of thought

The image shows a yellow sticky note with handwritten mathematical work. At the top, the equation $(x^3 \cdot y^2)^4 = (x^3)^4 \cdot (y^2)^4$ is written. Below this, the expression $x^{12} \cdot y^8$ is written and circled. To the right of the circled expression, there is a handwritten note: "You need to multiply the exponents on the inside by the exponents on the outside."

$$(x^3 \cdot y^2)^4 = (x^3)^4 \cdot (y^2)^4$$
$$x^{12} \cdot y^8$$

You need to multiply the exponents on the inside by the exponents on the outside.