Bell Work 1/14/2015

What is incorrect about the following statements:

$$(a^{2})^{3} = (a \cdot a)(a \cdot a \cdot a) = a^{5}$$

$$(a \cdot a)(a \cdot a)(a \cdot a) = a^{6}$$

$$(3z)^{3} = 3z \cdot 3z \cdot 3z = 3z^{3}$$

$$3 \cdot 3 \cdot 3z \cdot 3z \cdot 3z = 3z^{3}$$

January 15, 2015

- 1. Finish creating the rules
- 2. Re-group and discuss the rules
- 3. Practice Problems Wall Activity



$$\frac{2^{7}}{2^{4}} = \frac{777222}{1112} = 2^{3}$$

$$\frac{Q_s}{Q_s} = \frac{Q_{s-2}}{Q_{s-2}}$$

$$(5) (3)^{3} = \frac{3}{2} \cdot \frac{3}{2} = \frac{3}{2^{3}}$$

$$(5) (3)^{3} = \frac{3}{2} \cdot \frac{3}{2} = \frac{3}{2^{3}}$$

$$(7)^{4} = \frac{3}{6}$$

$$(9)^{4} = \frac{3}{6}$$

Definition
$$C_{-1} = \frac{1}{2} = \frac{1}{2}$$

$$2^{-1} = .5 = \frac{1}{2} = \frac{1}{2^{1}}$$

$$2^{-2} = .25 = \frac{1}{4} = \frac{1}{2^{2}}$$

$$2^{-3} = .125 = \frac{1}{8} = \frac{1}{2^{3}}$$

$$\frac{3}{2^3}$$
 =

$$2^{3-3} = 2^0 = -$$

- You will be working in groups today. 3-4 people per group.
- In your groups you will be working to come up with mathematical rules on your own!
- Each group will start with only one rule and once you complete that rule, show it to me and you may get the next rule.
- Everyone in the group will need their own copy of rules.
- Hang on to these, they will be helpful as we move further into the unit!

Level 1

Level 2

Level 3

Answer

Answer

Answer