

Name Kay  
Mrs. Roubos/Mrs. Haslbauer

Date \_\_\_\_\_  
8R Period \_\_\_\_\_

Do Now

Alex solved the following order of operations question. Did he solve it correctly? If not, describe what he did wrong and then solve it the right way.

Simplify:  $8 \div 2^3 - 16 \div 2$

Alex's work:

$$8 \div 2^3 - 16 \div 2$$

$$4^3 - 16 \div 2$$

$$64 - 16 \div 2$$

$$64 - 8$$

$$56$$

Did Alex solve the problem correctly? : NO

If not, explain what he did wrong: Alex divided the  $8 \div 2$  before  
he did the exponent  $2^3$ . He did not follow PEMDAS

Simplify the problem correctly here:  $8 \div 2^3 - 16 \div 2$

$$\underline{8 \div 8 - 16 \div 2}$$

$$1 - 8$$

$$\boxed{-7}$$