EQUATIONS SKILLS TEST 3: Simplifying Expressions

Boris needs 3 bags of washers and 5 bags of brackets. John needs 4 bags of washers and 7 bags of brackets. Write the expression that represents this problem. Use the letter "w" to represent the number of washers in a bag and the letter "b" to represent the number of brackets in a bag.

Now simplify that expression.

Carlos works in an art supply store. The store sells charcoal pencils in packets. They also sell packets of paintbrushes. Carlos doesn't know how many pencils or paintbrushes are in each packet, but he knows it's the same amount in each packet. Kenroy comes into the store and orders 4 packets of pencils and 5 packets of paintbrushes. Then, Joy comes in and orders 2 packet of pencils and 4 packets of paintbrushes. Use the letter "p" to represent the number of pencils in each packet and the letter "b" to represent the number of paintbrushes in each packet. Write an expression to represent the customers' orders.

Now simplify that expression.