## Multiplication Principles

Do these activities with a partner and record your answers on your own paper.

**Activity 1**
True or False: A x B = B x A.

   a. What does this mean?

   b. How can you test it?

   c. What is the most basic way you can think to explain it to a child?

**Activity 2**
Exponential notation A x A is often written as $A^2$. The two in the upper right is called an exponent. We say, "A squared". Similarly A x A x A is written as $A^3$ and A x A x A x A is written as $A^4$.

True or False: If A > 4 then $A^2$ > 20. (Remember that ">" means "bigger than".)

   a. What does this mean?

   b. How can you test it?

   c. What is the most basic way you can think to explain it to a child?