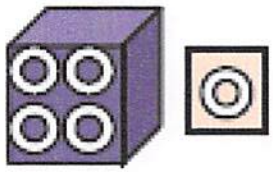
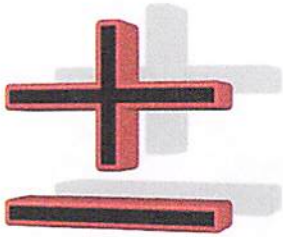
MCC9-12.A.SSE.1: Interpret Expressions

- I can use building blocks to represent terms in an expression.





- I can identify coefficients, constants, variables, and operations

- I can think logically about algebra in the real world.

1. Hats are for sale at Sam's. There are 3 colors. A red hat costs 3 times as much as the blue hat. A yellow hat is ½ the cost of a blue hat. Use the blocks to show the cost of a hat of each color. (Hint: Make $x = 6$)

2. Chris can go pretty fast on his bike. Jill can go 7 times faster on her motorcycle. Use the blocks to represent the speed of the bicycle and the motorcycle.

(Hint: 1 dot = x; Chris goes 4mph)

3. Nick has two bags with the same kind of coin in each. Together the coins are worth $12. The first bag has 6 coins. The second bag has 7 times as many coins. Use blocks to help you determine how many coins are in the second bag. What is the value of the coin? (Hint: 1 dot = 1 coin)

4. **Main Event uses tokens instead of money. Video Games use 3 tokens, Skeet Ball uses 1/3 the number of tokens as a Video Game, and a small coke uses twice as many tokens as a video game.**

Carlos and 2 of his friends want to know how many tokens they will need to get a coke, play 2 video games, and play 4 games of Skeet Ball. Represent the expression with building blocks.

5. It costs $12 for a family to visit the swimming pool plus $1 for each family member. Your dad only has $20. What is the greatest number of family members who can come to the pool and still have money left over? Use blocks to help you.