

## Number Pattern

$$1^3 + 5^3 + 3^3 = 153$$

$$16^3 + 50^3 + 33^3 = 165033$$

$$166^3 + 500^3 + 333^3 = 166500333$$

$$1666^3 + 5000^3 + 3333^3 = 166650003333$$

The number pattern can continue, can you prove this using algebra?