**1. Working alone at its constant rate, machine *A* produces *k* liters of a chemical in 10 minutes. Working alone at its constant rate, machine *B* produces *k* liters of the chemical in 15 minutes. How many minutes does it take machines *A* and *B*, working simultaneously at their respective constant rates, to produce *k* liters of the chemical?**

A. 0 B. 3 C. 4 D. 5 E. 6

 **2. Which of the following could be the units digit of 57n, where *n* is a positive integer?**

**F.** 0 **G.**2  **H.** 4 **J.**5 **K.** 9

**3. Quantity A:54% of 360**

 **Quantity B:150**

**A.** Quantity A is greater. **B.** Quantity B is Greater **C.** Both are Equal **D.** The relationship cannot be determined **E.** None of the above

**4.Which cube can be made from this pattern**

**5. What image is the missing Square?**