

7. There are 6 different kinds of fruit being sold by a fruit vendor: apples, bananas, oranges, mangos, pears, and peaches. Seth wants to buy 2 different kinds of fruit. How many different combinations of 2 different kinds of fruit can he buy?
- A. 15
B. 18
C. 21
D. 30
8. A history class will be choosing 4 class officers for a government project. They will select a class president, class vice president, class secretary, and class treasurer. How many different slates of 4 class officers could be chosen if there are 20 students in the class?
- A. 24
B. 800
C. 6,840
D. 116,280

OPEN-ENDED QUESTION

9. Elliot has forgotten his locker combination. He knows that his three-digit combination includes the digits 5, 6, and 7, but he does not remember the correct order.
- How many different 3-digit locker combinations are possible using those three digits?
 - List all the possible combinations that Elliot may need to try before his locker will open.

