

Name : _____

Permutations and Combinations

Sheet 1

Write whether each scenario involves a permutation or a combination.

- 1) During the final round of the formula one grand prix, six cars were closing in on the finish line. The top three winners were awarded gold, silver and bronze medals.

- 2) Alice places five apples, three oranges and ten peaches in a fruit basket. Her son, Brian selects three fruits from the basket.

- 3) Vanessa chooses a combination of four digits from 0 to 9 without repetition for her school locker.

- 4) Derek shuffled a pack of 52 playing cards and asked his friend, Ian to choose any three cards.

- 5) Stephanie rearranged the letters in the word "TOGETHER" and formed new words beginning with R and ending with T.
