

Name \_\_\_\_\_



Date \_\_\_\_\_

## Probability

Complete.

1. How many permutations can you make from the letters N, C, R, and B?	2. How many two person committees can be chosen from a group of nine people?
3. Robert, Ethan, and Anna ran in a race. In how many different orders can they finish the race?	4. How many ways can a president and vice-president be selected in a class of sixteen students?
5. How many permutations can you make from the letters A through F?	6. There are 3 things in a hat. How many ways can you pick 1 thing from the hat at once?
7. How many four digit numbers can you make by arranging the numbers 3, 9, 4, and 8?	8. How many combinations of two letters are possible from the letters O, V, and R?
9. There are 6 things in a hat. How many ways can you pick 2 things from the hat at once?	10. In how many ways can Makayla, Michael, Jessica, Christopher, and Jason stand in line?
11. There are ten players on the basketball team. How many ways can a starting lineup of five players be chosen?	12. How many three person committees can be chosen from a group of seven people?
13. There are 7 things in a hat. How many ways can you pick 5 things from the hat at once?	14. Connor, Jacob, Christina, and Natalie ran in a race. In how many different orders can they finish the race?
15. How many two person committees can be chosen from a group of six people?	16. In how many ways can Sydney, Matthew, Abigail, Ethan, Kaitlyn, and Samuel stand in line?
17. How many four person committees can be chosen from a group of eight people?	18. How many combinations of three letters are possible from the letters C, I, N, and Z?
19. How many permutations can you make from the letters A through G?	20. There are 7 things in a hat. How many ways can you pick 3 things from the hat at once?