



Probability Linear or Circular Permutation - Scenario to Counting Type

<p>1</p> <p>6 campers stand evenly spaced in a circle around a campfire. How many distinct arrangements are possible if arrangements that are rotations of each other count as the same?</p> <p>Is this scenario counted with a linear or a circular permutation?</p> <p>A Circular permutation</p> <p>B Linear permutation</p>	<p>2</p> <p>Ranked prizes (1st, 2nd, 3rd, and so on) are awarded to 5 contestants in a competition, one prize each. How many ways can the prizes be awarded?</p> <p>Is this scenario counted with a linear or a circular permutation?</p> <p>A Linear permutation</p> <p>B Circular permutation</p>
<p>3</p> <p>Ranked prizes (1st, 2nd, 3rd, and so on) are awarded to 7 contestants in a competition, one prize each. How many ways can the prizes be awarded?</p> <p>Is this scenario counted with a linear or a circular permutation?</p> <p>A Circular permutation</p> <p>B Linear permutation</p>	<p>4</p> <p>4 speakers are scheduled into 4 presentation time slots, one speaker per slot. How many schedules are possible?</p> <p>Is this scenario counted with a linear or a circular permutation?</p> <p>A Circular permutation</p> <p>B Linear permutation</p>
<p>5</p> <p>5 friends ride in the identical cars of a Ferris wheel arranged in a circle. How many distinct arrangements are possible if rotations of the wheel count as the same?</p> <p>Is this scenario counted with a linear or a circular permutation?</p> <p>A Linear permutation</p> <p>B Circular permutation</p>	<p>6</p> <p>7 speakers are scheduled into 7 presentation time slots, one speaker per slot. How many schedules are possible?</p> <p>Is this scenario counted with a linear or a circular permutation?</p> <p>A Linear permutation</p> <p>B Circular permutation</p>
<p>7</p> <p>5 ornaments are hung at equally spaced positions around a circular wreath. How many distinct arrangements are possible if rotations of the wreath count as the same?</p> <p>Is this scenario counted with a linear or a circular permutation?</p> <p>A Circular permutation</p> <p>B Linear permutation</p>	<p>8</p> <p>Ranked prizes (1st, 2nd, 3rd, and so on) are awarded to 4 contestants in a competition, one prize each. How many ways can the prizes be awarded?</p> <p>Is this scenario counted with a linear or a circular permutation?</p> <p>A Linear permutation</p> <p>B Circular permutation</p>