

# Section 4.5 — Combining Probability and Counting Techniques

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Examples

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- What about the number of ways of getting two pairs?
- What are probabilities of the preceding hand types?



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- 47th try?

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# Numbers

Let's say a four digit number is to be created from the digits 0–9.

- If the digits may not be repeated and the first and last digit must be odd, how many possible numbers are there?
- If a number is randomly chosen, what is the probability it starts with a 5?