



Probability Fundamental Counting Principle - Scenario Details Simple Restriction to Strategy

1

Which strategy correctly counts the number of different office setups?

You are putting together a home office setup. You choose one desk (standing, wooden, glass) and one chair (mesh, leather). The chair cannot be leather.

- A Multiply the choices for every option and ignore the
- B Subtract the number of options from the total number of
- C Subtract 1 from that option's choices, then multiply the
- D Add together the number of choices for every option.

Which strategy correctly counts the number of different vacations?

You are putting together a vacation package. You choose one destination (beach, mountains, city) and one hotel (budget, standard). The hotel must be budget or standard.

- A Use 2 as the number of choices for that option, then
- B Add together the number of choices for every option.
- C Multiply the choices for every option and ignore the
- D Subtract the number of options from the total number of

3

Which strategy correctly counts the number of different burgers?

You are putting together a burger. You choose one patty (beef, chicken) and one cheese (cheddar, swiss, pepper jack). The patty must be beef or chicken.

- A Multiply the choices for every option and ignore the
- B Add together the number of choices for every option.
- C Subtract the number of options from the total number of
- D Use 2 as the number of choices for that option, then

4

Which strategy correctly counts the number of different gift baskets?

You are putting together a gift basket. You choose one theme (spa, food, books) and one wrapping (red, gold). The theme must be food or spa.

- A Multiply the choices for every option and ignore the
- B Subtract the number of options from the total number of
- C Use 2 as the number of choices for that option, then
- D Add together the number of choices for every option.

5

Which strategy correctly counts the number of different office setups?

You are putting together a home office setup. You choose one desk (standing, wooden) and one chair (mesh, leather, gaming). The chair must be mesh.

- A Add together the number of choices for every option.
- B Subtract the number of options from the total number of
- C Multiply the choices for every option and ignore the
- D Use 1 as the number of choices for that option, then

6

Which strategy correctly counts the number of different gift baskets?

You are putting together a gift basket. You choose one theme (spa, food) and one wrapping (red, gold, silver). The wrapping must be gold.

- A Use 1 as the number of choices for that option, then
- B Multiply the choices for every option and ignore the
- C Add together the number of choices for every option.
- D Subtract the number of options from the total number of

7

Which strategy correctly counts the number of different burgers?

You are putting together a burger. You choose one patty (beef, chicken) and one cheese (cheddar, swiss, pepper jack). The cheese must be pepper jack or cheddar.

- A Subtract the number of options from the total number of
- B Multiply the choices for every option and ignore the
- C Use 2 as the number of choices for that option, then
- D Add together the number of choices for every option.

8

Which strategy correctly counts the number of different cars?

You are putting together a custom car. You choose one color (red, black) and one wheel set (sport, classic, off-road). The wheel set must be off-road or classic.

- A Use 2 as the number of choices for that option, then
- B Multiply the choices for every option and ignore the
- C Add together the number of choices for every option.
- D Subtract the number of options from the total number of