

Probability Fundamental Counting Principle - Image and Scenario Details to Multiplication

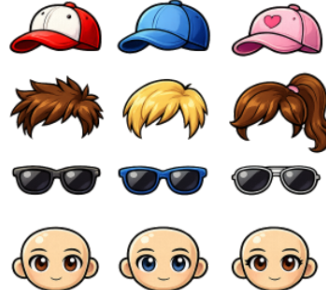
1



You are putting together an outfit. You choose one shirt (red, blue, green, white), one pants (blue, green, white), one hat (red, blue, green, white, tan), and one shoe style (sneakers, boots). Which multiplication gives the number of different outfits you can make?

A	B
$3 \times 3 \times 5 \times 2$	$4 + 3 + 5 + 2$

2



You are putting together an avatar. You choose one hairstyle (short, long, curly), one eye color (brown, light blue), and one hat color (red, navy, black, white). Which multiplication gives the number of different avatars you can make?

A	B
$2 \times 2 \times 4$	$4 \times 2 \times 4$

3



You are putting together a pizza. You choose one size (small, medium), one crust (flat, thick, stuffed), and one topping (pepperoni, mushroom, sausage, vegetables). Which multiplication gives the number of different pizzas you can make?

A	B
$2 \times 3 \times 4$	$1 \times 3 \times 4$

4



You are putting together an outfit. You choose one shirt (red, blue, green), one pants (blue, green), and one hat (red, blue, green, white, tan). Which multiplication gives the number of different outfits you can make?

A	B
$3 \times 2 \times 5$	$4 \times 2 \times 5$

5



You are putting together a pizza. You choose one size (small, medium, large) and one crust (flat, thick). Which multiplication gives the number of different pizzas you can make?

A	B
2×2	$3 + 2$

6



You are putting together an outfit. You choose one shirt (red, blue, green, white) and one pants (blue, green, white). Which multiplication gives the number of different outfits you can make?

A	B
3×3	5×3

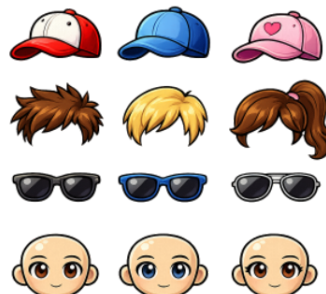
7



You are putting together an avatar. You choose one hairstyle (short, long), one eye color (brown, light blue, green), one hat color (red, navy, black, white, pink), and one sunglasses style (aviator, wayfarer, round, cat eye). Which multiplication gives the number of different avatars you can make?

A	B
$3 \times 3 \times 5 \times 4$	$2 + 3 + 5 + 4$

8



You are putting together an avatar. You choose one hairstyle (short, long, curly), one eye color (brown, light blue), and one hat color (red, navy, black, white, pink). Which multiplication gives the number of different avatars you can make?

A	B
$4 \times 2 \times 5$	$3 + 2 + 5$