

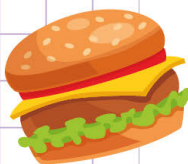
Name: Class:

Combinations

1. Yesterday, Joseph went to a coffee shop and ordered coffee. The attendant told him that they only have flavoured coffee and the flavours there have were lifeboost french vanilla coffe, new england coffee, Amazon french hazelnut and volcanica hazelnut flavored coffee. How many different combinations could Joseph had chosen from?



2. Mrs Grace is parking lunch box for her son. She wants to park fruits, salad and sandwhich for her son. She has oranges, apples and grapes. She also has tossed salad and bound salad. She equally has breakfast sandwich, cheese sandwich, cheessenurger and chicken sandwich.
How many different combinations of food can Mrs. Grace park in her son's lunch box?



3. James is moving to a new appartment and he wants to buy a new set of chairs. He can get the modular sofa, Armchair sofa, sofa beds, or the ottoman sofa. He wants the sofas in either red, white, black, cream white, or grey. The type of sofa fabric he wants can either be leather, natural, fibers or synthetics.
How many different combinations can james choose form?

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Combinations

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Let's first of all write down the given information

Types of coffee = 1 (flavoured coffee)

Number of flavours present = 4

Now, to find the number of different combinations, we have to multiply 4 by 1

$$4 \times 1 = 4$$

So, Joseph would have 4 different combinations of flavoured coffee to choose from.



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How many different combinations of food can Mrs. Grace park in her son's lunch box?

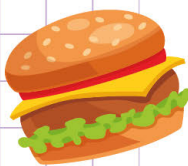
Let's first of all write down the given information.

Number of types of salads she has = 2 ; Number of types of fruits she has = 3 ;

Number of types of sandwiches she has = 4 ;

So, to find the number of different combinations, we have to multiply 3 by 2 by 4

Therefore, Mr Grace can park 24 different combinations of food in her sun's lunch box.



3. James is moving to a new appartment and he wants to buy a new set of chairs. He can get the modular sofa, Armchair sofa, sofa beds, or the ottoman sofa. He wants the sofas in either red, white, black, cream white, or grey. The type of sofa fabric he wants can either be leather, natural, fibers or synthetics.

How many different combinations can james choose form?

Let's first of all write down the given information.

Number of models of sofa = 4 ; Number of colors = 5 ;

Number of types of sofa fabrics = 4 ;

So, to find the number of different combinations, we have to multiply 4 by 5 by 4

Therefore, Mr Grace can park 80 different combinations of sofa.