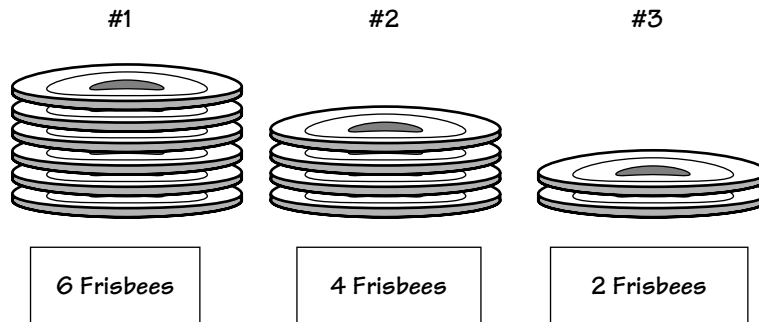


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183. Below are three stacks of Frisbees. The first stack has six, the second stack has four, and the third stack has two. How many moves would it take to create four stacks of three Frisbees each from the three stacks below? You may move as many Frisbees from any stack to any other stack to accomplish this.



184. I have five different pieces of candy sitting side by side. They are colored blue, brown, pink, green, and red. You don't know in what order these five candies are side by side, but here are some clues to help you figure the order.

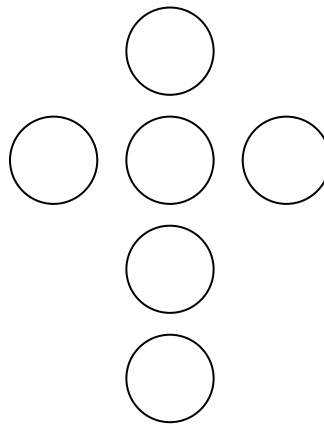


- a. The candy on the far right side has four letters.
- b. The green candy is between the brown candy and the blue candy.
- c. The blue candy is not last.
- d. The red candy is next to the brown candy and not the fourth candy.



What is the order of the candies from left to right?

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185. Six coins are arranged as shown below. Can you move one coin to make a cross with four coins in each row?



186. One of the most interesting and fun branches of mathematics is the study of game theory. The theories of playing and solving games are studied by mathematicians worldwide—even games as seemingly simple as Tic-Tac-Toe! Below is the start of a game in which the O has moved first. You are the X, and it's your turn to move. The challenge is to place your X in the square that will stop the O from winning the game. (Of course, to win a game, a player has to have three X's or three O's in a row, column, or diagonal.) Where does your X go?

X	O	X
		O
		O