

Bonus: Cleats



Seven soccer players, Abby, Briana, Cristiano, Diego, Essam, Fernando, and Gina, are comparing their soccer cleats. Each of them is wearing footwear with 5 cleats in a row, but some cleats are white, and some are black. Can you figure out each player's unique pattern and determine what they are trying to avoid?



- Each player has 1, 2, or 3 black cleats.
- Each player wears a different uniform number between 1 and 7.
- Essam has a cleat pattern that is a mirror image of the pattern of player #4.
- Abby and player #7 are the only players with three black cleats.
- Diego has a cleat pattern that is a mirror image of Cristiano's pattern with 2 black cleats, and the black cleats are not next to each other.
- Briana wears #7 and has two white cleats next to each other surrounded by black cleats.
- Player #1 and Gina have more white cleats than anyone else.
- Essam's white cleats are all next to each other.
- Abby is the only player with a cleat pattern that is its own mirror image.
- #7 is the only player with 2 black cleats in the leftmost positions.
- Essam wears an odd-numbered jersey.
- Gina wears #4 and does not have a black cleat in the leftmost position.
- Diego and #5 have two white cleats in the rightmost positions.
- Player #3 has three black cleats in a row.
- Fernando has a white cleat in the leftmost position.
- Essam and Cristiano each have the number of black cleats that matches their respective jersey number.

