

Pen Pals

Six pairs of people are pen pals. Read the clues to find each person's full name and country, and the full name and country of his or her pen pal.

1. The first names of the twelve people are Andy, Bob, Carol, Dolly, Everett, Freda, Gwen, Holly, Ida, Jack, Ken, and Lance.
2. The last names of the twelve people are Mancel, Nasker, Ordphin, Pastury, Quinthe, Roth, Skycard, Thompson, Urskel, Vander, Wildpoy, and Yerkel.
3. Two people live in Australia. The other ten live in Brazil, Canada, China, Egypt, India, Kenya, Mexico, Peru, Poland, and Spain.
4. The first and last names of each person have no letters in common.
5. The name of each person's country has exactly four letters in common with the person's full name (first and last combined, with no letter counted more than once).
6. No pair of pen pals is the same sex.
7. No pair of pen pals both live in the Americas.
8. One Australian's pen pal is an African, and the other Australian's pen pal is a European.
9. The pen pal of one of the Europeans is a North American.
10. Jack is not Carol's pen pal.
11. Andy and Ida are not pen pals.

	Mancel	Nasker	Ordphin	Pastury	Quinthe	Roth	Skycard	Thompson	Urskel	Vander	Wildpoy	Yerkel
Andy												
Bob												
Carol												
Dolly												
Everett												
Freda												
Gwen												
Holly												
Ida												
Jack												
Ken												
Lance												
Australia												
Australia												
Brazil												
Canada												
China												
Egypt												
India												
Kenya												
Mexico												
Peru												
Poland												
Spain												

	Australia	Australia	Brazil	Canada	Kenya	Spain
China						
Egypt						
India						
Mexico						
Peru						
Poland						

Answers

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FIRST NAME	LAST NAME	COUNTRY	PEN PAL'S FIRST NAME	PEN PAL'S LAST NAME	PEN PAL'S COUNTRY
Andy	Urskel	Poland	Dolly	Nasker	Australia
Bob	Mancel	Mexico	Freda	Thompson	Spain
Everett	Wildpoy	Egypt	Ida	Yerkel	Australia
Jack	Ordphin	India	Gwen	Skycard	Canada
Ken	Pastury	Peru	Holly	Vander	Kenya
Lance	Roth	China	Carol	Quinthe	Brazil

Applying clue 4, we get (in this order): Carol is Quinthe; Dolly is Nasker; Everett is Wildpoy; Freda is Thompson; Holly is Vander; Lance is Roth; Ken is Pastury; Gwen is Skycard; Jack is Ordphin; Andy is Urskel; Ida is Yerkel; Bob is Mancel. Applying clue 5, we get (in this order): Andy Urskel, Poland; Bob Mancel, Mexico; Carol Quinthe, Brazil;

Dolly Nasker, Australia; Gwen Skycard, Canada; Holly Vander, Kenya; Ida Yerkel, Australia; Freda Thompson, Spain; Everett Wildpoy, Egypt; Jack Ordphin, India; Ken Pastury, Peru; Lance Roth, China. In the small chart accompanying the problem, the countries listed down the left side (male residents) are to be paired with those listed across the top (female residents) (6). There are only two European countries—Poland and Spain. Poland (Andy Urskel) is paired with Australia (Dolly Nasker or Ida Yerkel) (8), and Spain (Freda Thompson) is paired with Mexico (Bob Mancel) (9). Andy isn't paired with Ida (11), so he is paired with Dolly. The other Australian (Ida Yerkel) is paired with the Egyptian (Everett Wildpoy) (8). Then clue 7 pairs Kenya (Holly Vander) with Peru (Ken Pastury). Jack and Carol are not pen pals (10), so Jack Ordphin, India, is paired with Gwen Skycard, Canada. This leaves Lance Roth, China, paired with Carol Quinthe, Brazil.