

Logical Holiday Cookies

Four people (Judy, Justine, Ed, and Max) brought in homemade cookies for the holiday party. From the clues below, determine the type of cookie and the quantity that each person brought in.



1. Justine and Max did not bring in chocolate chip or biscotti.
2. Ed brought in one dozen biscotti.
3. Someone brought in three dozen chocolate chip cookies.
4. A woman brought in macaroons.
5. Max brought in two dozen cookies.

Tip: Put check marks (✓) and minus signs (–) in the boxes. You should end up with two ✓s under each name—one next to the type of cookie and one next to the quantity.

	Judy	Justine	Max	Ed
Gingerbread				
Chocolate chip				
Biscotti				
Macaroons				
One dozen				
Two dozen				
Three dozen				
Four dozen				

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(solution)

- We know from clue #2 that Ed brought in one dozen biscotti.
- According to clue #1, Max or Justine did not bring in biscotti or chocolate chip. Since we know Ed brought in the biscotti, that means the other cookie, chocolate chip, for Judy. Since according to clue #3, someone brought in three dozen chocolate chip, that must have been Judy.
- A woman brought in the macaroons, so that must be Justine. That leaves the gingerbread for Max. We now know who brought in each kind of cookie.
- According to clue #5, Max brought in two dozen cookies. That leaves four dozen as the remaining possibility for Justine.

Answer Key

	Judy	Justine	Max	Ed
Gingerbread			✓	
Chocolate chip	✓			
Biscotti				✓
Macaroons		✓		
One dozen				✓
Two dozen			✓	
Three dozen	✓			
Four dozen		✓		

- Justine brought in four dozen macaroons.
- Judy brought in three dozen chocolate chip cookies.
- Max brought in two dozen gingerbread cookies.
- Ed brought in one dozen biscotti.