

Around the Horn

PROBLEM
OF THE WEEK

3

Instead of going overland to reach California, some families took a ship around Cape Horn at the tip of South America.

Suppose a ship leaves New York for San Francisco on the first of every month at noon. At the same time, a ship leaves San Francisco for New York.

Suppose also that each ship arrives exactly 6 months after it leaves.

If you were on a ship leaving from New York, how many ships from San Francisco would you meet?

○ Write-up

1. *Problem Statement:* If there were any assumptions that you needed to make to do this problem, be sure to state them clearly.
2. *Process:* Include any diagrams or descriptions of materials you used in working on this problem.
3. *Solution*
4. *Extensions*
5. *Self-assessment*

