

Challenge

Problem-Solving Strategy: Make a Table

There are six swimmers on each relay-race team. The first team member swims 300 meters. Each team member swims 50 meters less than the swimmer before. How many meters did the last team member swim in the relay race?

1. Make a table to solve.

How many meters did the last team member swim? _____

2. How many meters does each team swim in the relay race in all? Explain how you used your table to solve the problem.

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1. Make a table to solve.

Swimmer	Distance
1	300 meters
2	250 meters
3	200 meters
4	150 meters
5	100 meters
6	50 meters

Check students' tables.

How many meters did the last team member swim? 50 meters

2. How many meters does each team swim in the relay race in all? Explain how you used your table to solve the problem.

1,050 meters; Explanations will vary. Sample answer:

The table shows how many meters each member of the team swims. So, to find the total distance the team swims, I found the sum of all the distances each team member swims.