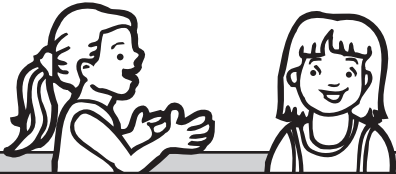


On Your Mark, Get Set, Go!

Sometimes it helps to act out a situation when problem solving. First find the question you are to answer. Second look at the information given. Third use objects or people to represent items in the problem. Then solve it!

Use the strategies above to solve the following problems:

1. There are four athletes competing in the 100-yard dash. Each runner has one conversation about the race with every other runner. How many conversations are there in all?



4. Greg, Kathy, Lauren, Kendall, and Alex are sitting by the track waiting for the next race. Greg is sitting to the left of Kathy. Kathy is sitting directly to the left of Kendall. Lauren is sitting between Kendall and Alex. In what order are they sitting?



2. Danielle, Andy, Carlos, Roger, and Meg are preparing for their first track meet of the season. Before the first race, each runner shakes hands with every other runner on the team once. How many handshakes are there?

How many handshakes would there have been if Deshera had made it to the track meet?

5. Four different track teams wore yellow, blue, white, and red uniforms to the meet. Greg's team didn't wear yellow or blue. Mark's team wore yellow. Ben's team didn't wear white or blue. What color uniform did Danielle's team wear?



3. Alan, Gwen, Susan, and Mark ran the mile. Gwen won the race. Alan didn't come in last place. Mark finished before Alan. Susan finished last. In what place did Mark finish the race?



6. Mark, Harry, Roger, and Lauren enjoy competing in the long jump, the relays, the hurdles, and the mile. Nobody's favorite event begins with the same letter as his or her name. Mark likes the long jump. Harry does not like relays. Which event does each person enjoy?



Bonus Box: Create your own problem that can be solved by acting it out. Remember to check your work. Have a friend try to solve your problem.

Answer Key for “On Your Mark, Get Set, Go!”

1. 6 conversations
2. 10 handshakes, 15 handshakes (including Deshera)
3. Mark finished in second place.
4. Greg, Kathy, Kendall, Lauren, Alex
5. Blue
6. Mile = Harry
Hurdles = Roger
Relays = Lauren
Long Jump = Mark