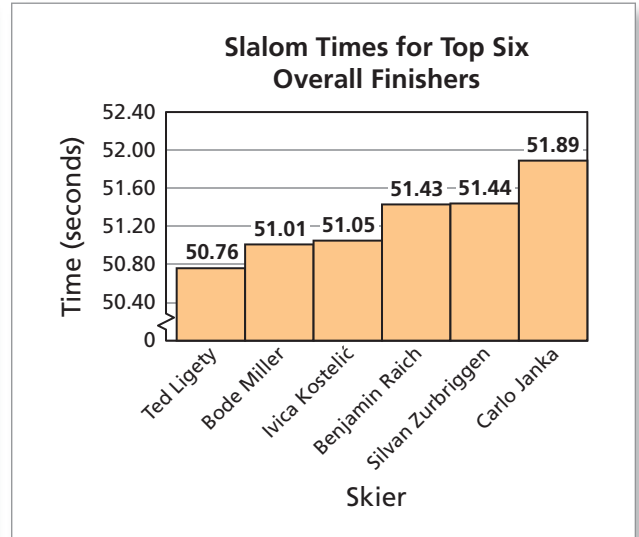
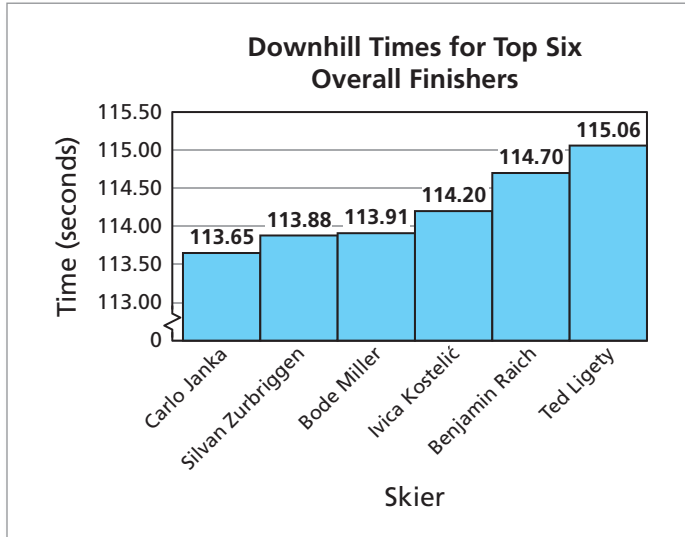


## ▶ Extending Concepts



**Men's Super Combined** In the super combined, skiers compete in two events. The finishing times for the events are added together to determine the skier with the fastest combined time. The graphs show the finishing times for both events for the skiers with the top 6 combined times in 2010. In Exercises 21–23, use the graphs.



- Find the combined time for each skier and make a bar graph showing the combined times from least to greatest. Who won the gold medal? the silver medal? the bronze medal?
- Determine how many seconds the gold medalist finished ahead of each of the other skiers in the top six. Then graphically represent the information.
- Aksel Lund Svindal had the fastest finishing time in the downhill portion at 113.15 seconds, but he skied off course in the slalom and did not finish that portion. What finishing time in the slalom would have won him the gold medal? Compare this time to the finishing times in the slalom graph.



**Women's Super Combined** The table shows the finishing times for the 2 events in the women's super combined for the skiers with the top 6 combined times in 2010. In Exercises 24–26, use the table.

- Find the combined time for each skier and make a bar graph showing the combined times from least to greatest. Who won the gold medal? the silver medal? the bronze medal?
- Determine how many seconds the gold medalist finished ahead of each of the other skiers in the top six. Then graphically represent the information.
- Lindsey Vonn had the fastest finishing time in the downhill portion at 84.16 seconds, but she missed a gate and fell in the slalom and did not finish that portion. What finishing time in the slalom would have won her the gold medal? Compare this time to the slalom finishing times for the top six overall finishers.

Times for Top Six Overall Finishers in Women's Super Combined, 2010		
Skier	Time (seconds)	
	Downhill	Slalom
Julia Mancuso	84.96	45.12
Tina Maze	85.97	44.56
Anja Pärson	85.57	44.62
Maria Riesch	84.49	44.65
Fabienne Suter	85.29	45.56
Kathrin Zettel	86.01	44.49