Name	
Stories, Tables, a	and Graphs

Date

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Problem A: Temperatures on Two Days

The graph on M32 shows temperatures in Sydney, Australia. One line shows the temperatures on July 4. The other shows temperatures on December 26.

 What are the warmest and coolest temperatures in Sydney on July 4? At what time of the day do they happen?

2. How does the temperature in Sydney change during the day on July 4?



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3. What is the same or different about the temperatures in Sydney on July 4 and December 26?

4. Compare the temperatures in Sydney on December 26 with the temperatures where you live on December 26. What is the same or different about the temperatures in Sydney and where you live?

Unit 6



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Problem B: Sophie's and Tom's Race

Sophie and Tom are training to run in a race. They each run several miles every day. So far, Sophie has run a total of 10 miles and Tom has run 30 miles.

There are 14 days left until the race.

Sophie thinks she should practice more, so she decides to run 5 miles every day until the race. Tom thinks he is training too hard and decides to run 3 miles every day until the race.

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 a. Fill in the table to show how many miles Sophie and Tom will run in the next 10 days.

		Total Number of Miles		
	Days	Sophie	Tom	
	So far	10	30	
	1	15	33	
	2			
	3			
	4			
	5			
->	6			
	7			
	8			
	9			
	10			

b. There are four more days until the race. How many miles will Sophie and Tom have run by the 14th day?

14



Unit 6

M35

 How did you figure out how many miles Tom will have run by the 14th day?

3. Look at the row of the table marked by an arrow. What does that row tell you?

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4. How did Tom and Sophie compare at the beginning? How did they compare at the end? Why did this happen?

5. On the day of the race, it rained. The race was rescheduled for 2 weeks later. If Sophie and Tom keep practicing at the same rate for 2 more weeks, will Tom ever catch up to Sophie in total miles? How do you know?