Solve each problem.

1) Sarah poured a glass of tea that was 100°F. After she added some ice cubes the temperature dropped to 75°F. How much did the ice cool down her tea?

2) The instructions to cook a pizza say to set the oven at 339°F. If Sarah set her oven at 352°F, how much warmer was her oven than the instructions said?

3) A weather station predicted the temperature on Saturday would be 57°F. If the actual temperature was 10°F warmer than their prediction, what temperature was it?

4) A desert in Africa had an average temperature last year of 107°F. If the average temperature this year was 14°F warmer, what is the average temperature this year?

5) In July, the average temperature in Florida was 98°F, while the average temperature in California was 6°F cooler. What was the average temperature in California?

6) Sarah heated up a slice of pizza in the microwave. When she got the pizza out it was 148°F. If the microwave heated it up 44°F, what temperature was it when she originally put the pizza in?

7) The average temperature for January was 45°F. The average temperature for February was 17°F warmer. What was the average temperature for February?

8) Tommy read was reading a book about a planet that was 303°F during the day and 170°F at night. What is the difference between the temperature during the day and the temperature at night?

9) An industrial machine is 213°F when it's being used. After being unused for an hour the machine cools down to 167°F. How much does the machine cool down?

10) A scientist had a liquid that was 90°F. If he needed to heat it up another 19°F for an experiment, what temperature was he trying to make the liquid?
### Finding Temperature Changes

#### Solve each problem.

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#### Answers

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>1.</td>
<td>25°F</td>
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<td>2.</td>
<td>13°F</td>
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<td>3.</td>
<td>67°F</td>
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<td>4.</td>
<td>121°F</td>
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<td>5.</td>
<td>92°F</td>
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<td>6.</td>
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<td>7.</td>
<td>62°F</td>
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<td>8.</td>
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<td>9.</td>
<td>46°F</td>
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<tr>
<td>10.</td>
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