

**Solve each problem.****Answers**

- 1) An industrial machine is 199°F when it's being used. After being unused for an hour the machine cools down 54° . What temperature is the machine after it cools down?
- 2) Isabel made herself a cup of hot chocolate that was 72°F . After she put it in the microwave the temperature rose 30° . What temperature was the hot chocolate after she heated it?
- 3) The temperature at 7:00 PM was 83°F . By 11:00 PM it had cooled down 14° . What was the temperature at 11:00 PM?
- 4) Rachel set the thermostat in her house to 70°F , which was 13° cooler than the temperature outside. What temperature was it outside?
- 5) A desert in Africa had an average temperature last year of 107°F . If the average temperature this year is 115°F , how much warmer is it this year?
- 6) A scientist had a liquid that was 90°F . If he needed to heat it up another 20° for an experiment, what temperature was he trying to make the liquid?
- 7) A scientist had a liquid that was 66°F . If he needed it to be 82°F for an experiment, how much would he need to heat it up?
- 8) When Olivia went to the park at 2:30 PM it was 69°F . By the time she left at 5:30 PM it was 80°F . How much did the temperature change?
- 9) Debby heated up a slice of pizza in the microwave. When she got the pizza out it was 140°F . If the microwave heated it up 50° , what temperature was it when she originally put the pizza in?
- 10) When Janet went to the park at 2:30 it was 80°F . By the time she left it had gotten 20° warmer. What temperature was it when she left the park?

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Answers

1. **145°**
2. **102°**
3. **69°**
4. **83°**
5. **8°**
6. **110°**
7. **16°**
8. **11°**
9. **90°**
10. **100°**



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69°

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