Solve each problem.

1) A city in Alaska had a temperature of 26°F at night, but during the day it was 33° warmer. What temperature was it during the day?

2) Sarah made herself a cup of hot chocolate that was 80°F. After she put it in the microwave the temperature rose 22°. What temperature was the hot chocolate after she heated it?

3) In July, the average temperature in Florida was 106°F, while the average temperature in California was 15° cooler. What was the average temperature in California?

4) The temperature inside a truck was 86°F. After sitting in the sun for an hour the temperature rose to 116°F. How much did the truck warm up?

5) An industrial machine is 200°F when it's being used. After being unused for an hour the machine cools down 42°. What temperature is the machine after it cools down?

6) A scientist had a liquid that was 65°F. If he needed it to be 85°F for an experiment, how much would he need to heat it up?

7) A desert in Africa had an average temperature last year of 125°F. If the average temperature this year was 19° warmer, what is the average temperature this year?

8) Sarah measured the temperature of her soda and found that it was 83°F. After putting it in her freezer for an hour it was 55°F. How much did the freezer cool her soda down?

9) The instructions to cook a turkey say to set the oven at 345°F. If Sarah set her oven 12° cooler than the instructions said, what temperature did she set her oven?

10) The temperature inside a store was 89°F. If the temperature outside the store was 29° colder, what temperature was it outside?
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Answers

1. 59°F
2. 102°F
3. 91°F
4. 30°F
5. 158°F
6. 20°F
7. 144°F
8. 28°F
9. 333°F
10. 60°F
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