



A Cold Day in Fairbanks

In March in Fairbanks, Alaska, the temperature can vary from 40°F to -40°F with the average not far from 0°F .

1. At noon the temperature is 6°F , but the afternoon temperature drops 2 degrees per hour for the next few hours. What is the temperature at 4:00 pm? _____
2. Just before dawn the temperature is -20°F , but as the sun rises, the temperature climbs 3 degrees per hour. What is the temperature 2 hours later? _____
3. One day the temperature is 5°F , but the wind is blowing so that the wind chill reduces the temperature 12 degrees. What does the temperature feel like with the wind chill factored in? _____
4. The average high temperature in March is -8°F , but the record high is 53 degrees above this. What is the record high? _____
5. The average low temperature in March is -7°F , but the record low is 35 degrees less than that. What is the record low? _____
6. The record low for winter is about -60°F , but the record high in summer is about 152 degrees higher than that. What is the record high for summer? _____
7. In March the record low is -45°F , but for July the record low is 87 degrees higher. What is the record low in July? _____
8. In January, the average low is about -60°F , but for the next two months, the average low increases by 10°F each month. What is the average low in March?

9. In October, the average low is about 30°F , but the average low decreases by 20 degrees per month over the next few months. What is the average low in December? _____
10. In March, the record low is -45°F , but this measurement increases by 20 degrees the next month, then increases 40 degrees by May, increases again 20 degrees by June, increases another 3 degrees by July, has no change by August, decreases 12 degrees in September, decreases 20 degrees in October, and decreases another 20 degrees by November. What is the record low for November? _____

