

Extreme Weather

Read each problem carefully. Then solve it.

Round up to the next whole number as needed.

1. Several major snowstorms roared through the town of Winchester. One week, 22.5 inches of snow fell. The next week, 18.5 inches fell. The third week, 21.2 inches fell. The fourth week, 15.3 inches fell. The storms ended on week five, when another 11.6 inches fell.

How many inches of snow fell altogether? _____

What was the average snowfall for the first three weeks? _____

What was the median snowfall for the entire storm? _____



2. This winter was extremely cold! One day the temperature went from 52°F to -45°F ! At noon, the temperature was 52°F . Over the next eight hours, the temperature dropped to 45°F , 37°F , 30°F , 21°F , 14°F , -12°F , -26°F , and finally -45°F .

What was the mean temperature between noon and 5:00 PM? _____

What was the median temperature between noon and 8:00 PM? _____

What was the range in temperature between noon and 8:00 PM? _____

3. Winchester also got a lot of rain last year. It received the following rainfall measurements, in order, over six months: 10.2 in., 6.9 in., 12.7 in., 13.5 in., 18.6 in., and 10.4 in.

What was total rainfall over six months? _____

What was the mean rainfall over six months? _____

What was the range in rainfall over six months? _____