

The quarterly production of pine lumber, in millions of board feet, by Northwest Lumber since 1996 is:

Year	Quarter			
	Winter	Spring	Summer	Fall
1996	7.8	10.2	14.7	9.3
1997	6.9	11.6	17.5	9.3
1998	8.9	9.7	15.3	10.1
1999	10.7	12.4	16.8	10.7
2000	9.2	13.6	17.1	10.3

- Determine the typical seasonal pattern for the production data using the ratio-to-moving-average method.
- Interpret the pattern.
- Deseasonalize the data and determine the linear trend equation.
- Project the seasonally adjusted production for the four quarters of 2001.