

Quiz 1

The following gives the number of pints of type A blood used at Woodlawn Hospital in the past 6 weeks:

<u>Week Of</u>	<u>Pints Used</u>
August 31	360
September 7	389
September 14	410
September 21	381
September 28	368
October 5	374

- Forecast the demand for the week of October 12 using a 3-week moving average.
- Use a 3-week weighted moving average, with weights of .1, .3, and .6, using .6 for the most recent week. Forecast demand for the week of October 12.
- Compute the forecast for the week of October 12 using exponential smoothing with a forecast for August 31 of 360 and $\alpha = .2$.