



Problem of the Week

Problem B

Bad Moon Rising

On May 26, 2021, a total lunar eclipse may be seen in many parts of the world. The moon will gradually become darker and then take on a rusty red colour for only 14 minutes and 30 seconds.

Below is data on this and other recent total lunar eclipses.

Month and Year	Duration (in minutes)	Month and Year	Duration (in minutes)	Month and Year	Duration (in minutes)
May 2003	52	Feb 2008	50	Apr 2015	12
Nov 2003	24	Dec 2010	74	Sept 2015	72
May 2004	76	Jun 2011	100	Jan 2018	76
Oct 2004	82	Dec 2011	52	Jul 2018	104
Mar 2007	74	Apr 2014	78	Jan 2019	62
Aug 2007	90	Oct 2014	60	May 2021	14.5

- What are the mean and median durations of these 18 total lunar eclipses? (Since there is an even number of eclipses listed, recall that the median is the average of the middle two numbers when the data is arranged in order.)
- For one of the three columns of given data, create a bar graph showing the durations of the total eclipses in that column.
- Look up the dates and durations of the next four total lunar eclipses.

