

Old Faithful Eruption Information			
1883		2005	
Eruption Times	Length of Interval	Eruption Times	Length of Interval
10:15	X	8:04	X
11:28		9:34	
12:25		11:08	
1:28		12:43	
2:35		2:17	
3:32		3:57	
4:35		5:28	

Old Faithful Geyser currently erupts about 15 times every day. Each time it erupts, it uses between 3,700 and 8,400 gallons of water. Calculate the range of gallons Old Faithful discharges every day.

A bathtub holds approximately 36 gallons of water. Old Faithful discharges between 3,700 and 8,400 gallons of water during every eruption. Calculate how many bathtubs of hot water Old Faithful uses during each eruption. _____

Calculate the length of the interval between each eruption of Old Faithful in 1883 and in 2005. Fill in the blanks on the Old Faithful Eruption Information Chart.

Calculate the average length of the interval between Old Faithful's eruptions in 1883 _____ and in 2005 _____.

Write a hypothesis of why the interval between eruptions has changed.
