



The following data represents the number of Starbucks stores worldwide since they opened in Seattle in 1986.

Use technology (eg. Desmos) to create a scatter plot of the following data. Determine an appropriate model, showing and justifying all work.

Year	Years since 1986	# of Stores
1986	0	1
1987	1	17
1988	2	33
1989	3	55
1990	4	84
1991	5	116
1992	6	165
1993	7	272
1994	8	425
1995	9	676
1996	10	1015
1997	11	1412
1998	12	1886
1999	13	2498
2000	14	3501
2001	15	4709
2002	16	5886
2003	17	7225
2004	18	8569
2005	19	10241
2006	20	12440
2007	21	15011
2008	22	16680
2009	23	16635
2010	24	16858
2011	25	17003
2012	26	17572