

Height versus number of deaths

Skill: Numeracy

Use the following table to **assess** whether there is a relationship between the height of a tsunami and the number of deaths it causes.

1 **Construct** a graph by plotting the following statistics on the grid below.

Source	Year	Height (m)	Struck	Deaths
Sanriku (Japan)	1933	28	Japan, Hawaii	3000
Kii (Japan)	1944	8	Japan	1000
Nankaido (Japan)	1946	6	Japan	2000
Aleutian Island	1946	32	Aleutian Island, Hawaii, California	170
Aleutian Island	1957	16	Hawaii, Japan	1300
Chile	1960	25	Chile, Hawaii, Japan	1300
Alaska	1964	32	Alaska, Aleutian Island, California	120
Celebes Sea	1976	30	Philippines	5000
Indonesia	1979	10	Indonesia	190
Sea of Japan	1983	15	Japan, Korea	110
Banyuwangi	1994	5	Indonesia	200
Papua New Guinea	1998	9	Papua New Guinea	3000
Indian Ocean	2004	9.2	Indonesia, Sri Lanka, India and Thailand	276000

2 **Outline:**

a any definite trend in the graph

b other factors that might affect the number of people killed by a tsunami.

