# Science Skills -8
Making Line Graphs

Exploring shipwrecks is a favorite adventure for many scuba divers. Some of them will go to great depths to snoop around in ghostly, sunken ships.

The Data Table shows the depths of 12 different dives. Show the depths by completing the line graph. Finish labeling the intervals for feet measurements. Plot each data item. Then, draw the line to show the depths of the dives over a 12-day period.

Depths of Dives

(Graph — Depth in Feet vs. Dive Number; y-axis labeled 50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650; x-axis labeled 1 through 12)
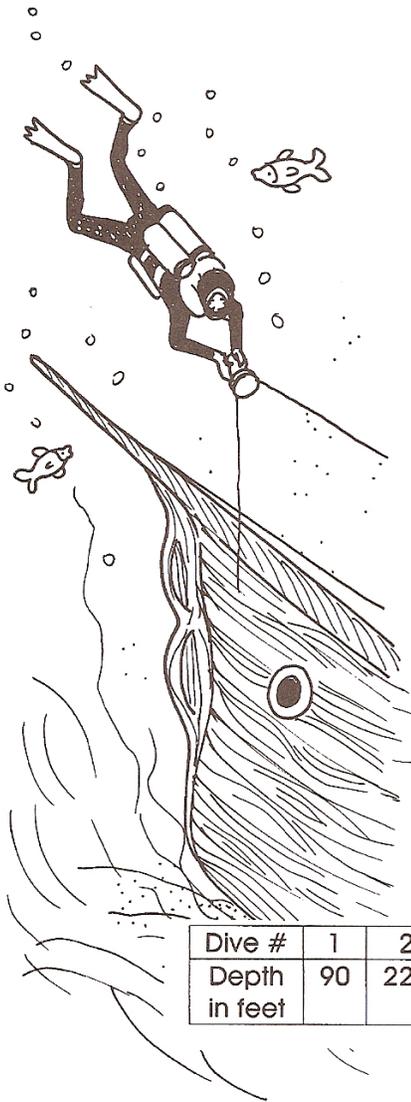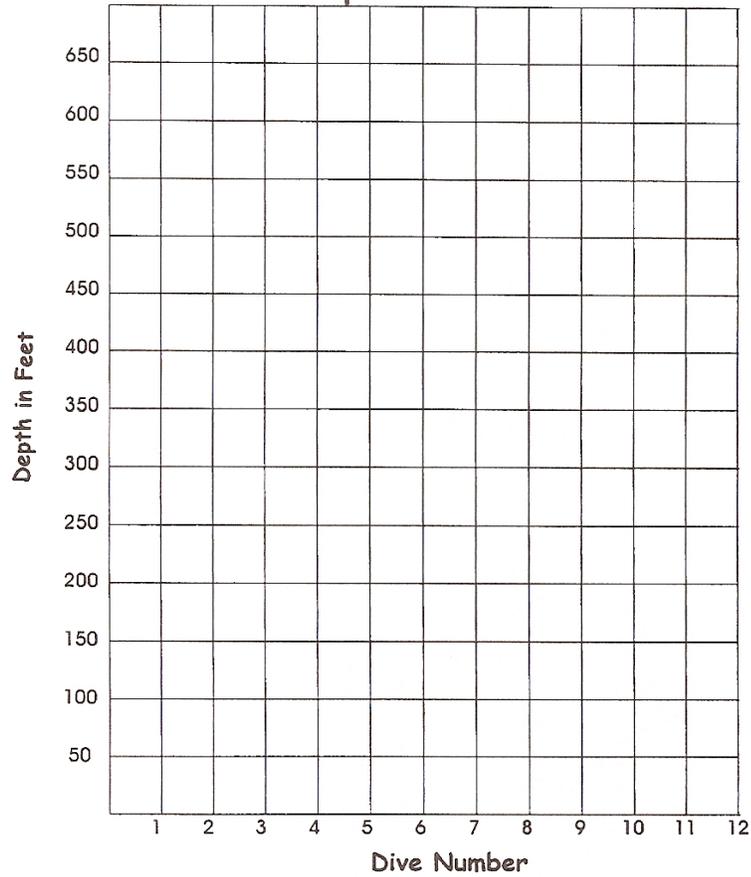
Dive Data

Dive #	1	2	3	4	5	6	7	8	9	10	11	12
Depth in feet	90	225	350	610	190	250	500	490	410	222	150	400

Making a Triple Line Graph

Along with the thrill of most extreme sports comes a high risk factor. In all the sports, athletes use good equipment and follow rules to keep safe, but accidents are always a possibility. And when the sport takes place high up in the air above the ground, the accidents or injuries can be even more scary!

Three teams of friends from different sports kept track of the injuries each year over a 10-year period. The table shows the results of their count. Use this data to finish the line graph. Plot the amounts for each team for each year. Use the correct color of dots for each sport. Connect the dots with the line of the same color.

SPORTS INJURIES, 1991-2000
Bungee Jumping, Sky Diving, & Hang Gliding Teams

Number of Injuries / YEAR
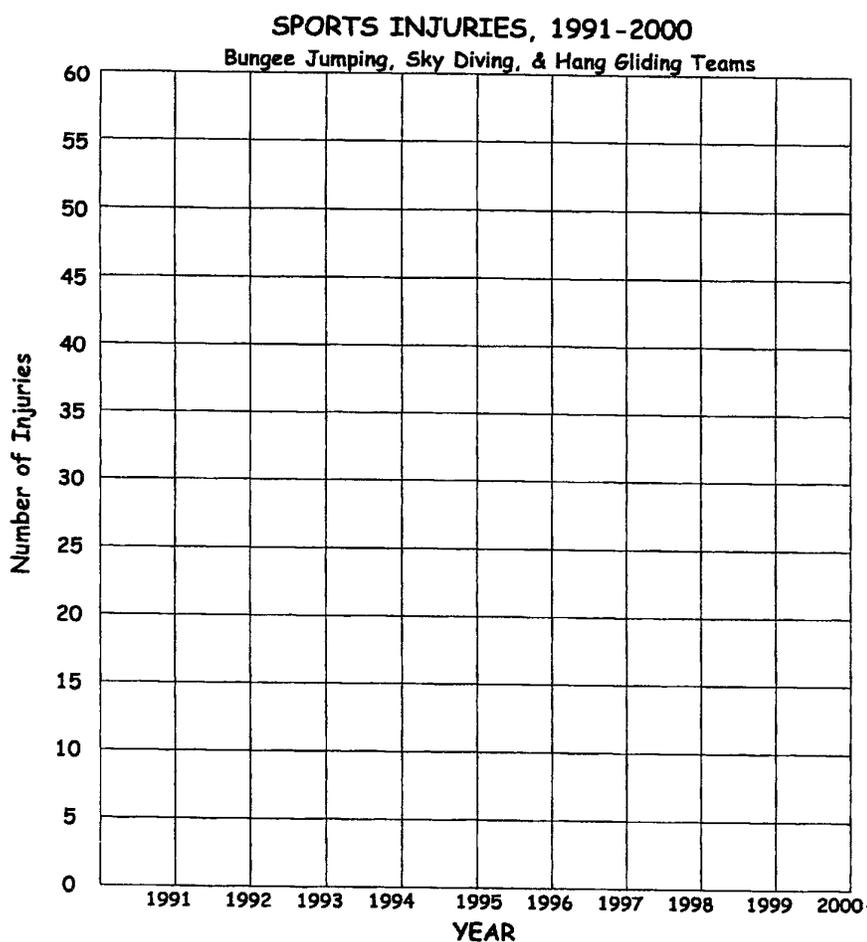
Sky Diving — BLUE Dots & Line
Bungee Jumping — RED Dots & Line
Hang Gliding — GREEN Dots & Line

Sport	Color for line	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Sky Diving	blue	33	44	44	56	47	54	58	28	25	20
Bungee Jumping	red	8	4	18	12	30	38	45	50	43	37
Hang Gliding	green	20	26	19	38	55	59	60	56	60	60