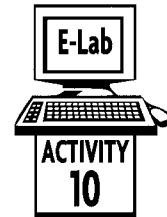


Number Patterns



Start E-Lab and select Activity 10.

1. Click **Play**. Follow the the directions on the screen and play nine holes of golf. Count and record on the scorecard the number of attempts it takes you to complete each hole.

THE E-LAB GOLF AND COUNTRY CLUB										
HOLE	1	2	3	4	5	6	7	8	9	TOTAL
PAR	4	5	3	4	4	5	3	5	4	37
SCORE										

It's time to go to the golf driving range for some needed practice. You need to play enough practice holes to establish a pattern in your strokes!

2. Now play some practice holes. Each time the ball falls in the hole, record the distance under the number for that "perfect shot." (You do not need to complete the entire table, but you should play enough to develop a pattern for your next golfing competition.)

Angle (in °)	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	
Distance																											

3. As the angle increases, does the distance of the shot increase or decrease? _____
4. Estimate the change in distance that results from a 1° increase in the angle of a shot. _____
5. Now play another nine-hole round of golf. Use the pattern in your table to help you place your shots. Count your strokes, and record them on the scorecard below.

THE E-LAB GOLF AND COUNTRY CLUB										
HOLE	1	2	3	4	5	6	7	8	9	TOTAL
PAR	4	5	3	4	4	5	3	5	4	37
SCORE										

Patterns that relate two variables can be used to estimate the unknown value of one variable given the value of the other variable.