

48.3: Procedures

1. Construct a graph using the distance and time data in Table 48.3.1

Table 48.3.1

Distance (meters)	Time (seconds)
7.06	1.2
19.62	2.0
47.13	3.1
90.69	4.3
122.62	5.0
188.50	6.2
240.35	7.0

2. Construct a graph using the speed and time data in Table 48.3.2

Table 48.3.2

Speed (m/s)	Time (seconds)
5.9	1.2
15.7	2.0
25.0	3.1
51.4	4.3
45.6	5.0
54.9	6.2
64.8	7.0

3. Look at the data table containing football player statistics. Determine which data set is the independent variable and which data set is the dependent variable. Construct a graph using the football player data.

Table 48.3.3

Football Player Height	Football Player Weight (pounds)
5 ft 8 in	168
5 ft 9 in	178
5 ft 10 in	186
5 ft 11 in	177
6 ft	201
6 ft 1 in	196
6 ft 2 in	230
6 ft 3 in	205
6 ft 4 in	222
6 ft 5 in	228

Football Player Height	Football Player Weight (pounds)
6 ft 7 in	259

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