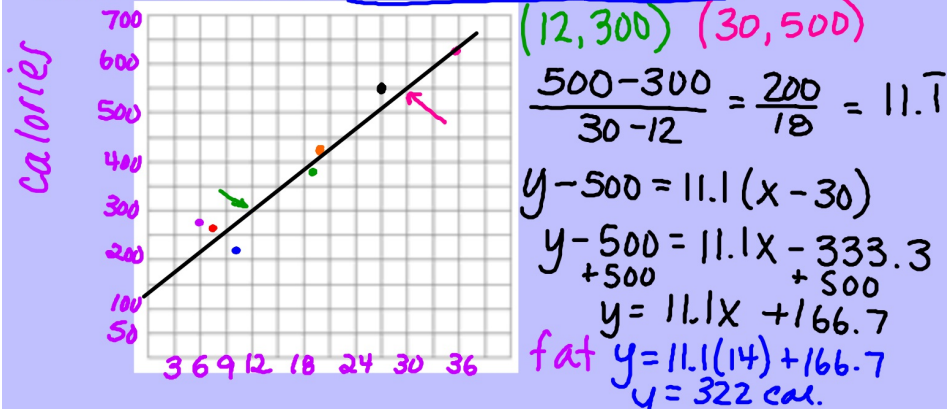


6.6 Scatterplots

Calories and Fat in Selected Fast-Food Meals

Fat (g)	6	7	10	19	20	27	36
Calories	276	260	220	388	430	550	633

Graph the data and find a trend line. About how many calories will be in a food that has 14 grams of fat?



We can also use our calculators to find the line of best fit. Don't forget to turn on the Diagnostics.

Yearly Box Office Gross for Movies (billions)

1991	1992	1993	1994	1995	1996	1997	1998	1999
\$4.8	\$4.9	\$5.2	\$5.4	\$5.5	\$6.0	\$6.4	\$7.0	\$7.4

Use Graphing Calculator

$$y = ax + b$$

$$y = .328x + 4.53$$

$$r = .975$$

+ : slope increasing/w/1, data fits well