Scatterplots and Lines of best Fit

Lines of best fit to a scatterplot can be used to make preditions.

Example:

- 1. Draw the line of best fit.
- Find the initial value.
- Find the rate of change.
 - Write the equation of the line. y = 2x + 2

Use the equation to answer the following:

1. How many days does it take to do 30 loads of laundry?

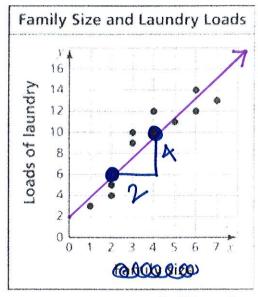
$$30 = 2 \times + 2$$

$$-2 = 2 \times = 14$$

$$28 = 2 \times = 2$$
About how many loads can be washed in 15 days?

$$Y = 2(15) + 2$$

 $Y = 30 + 2$
 $Y = 32$



of Days