NOTES: LESSON 6.2 – INTERPRETING **TREND LINES**

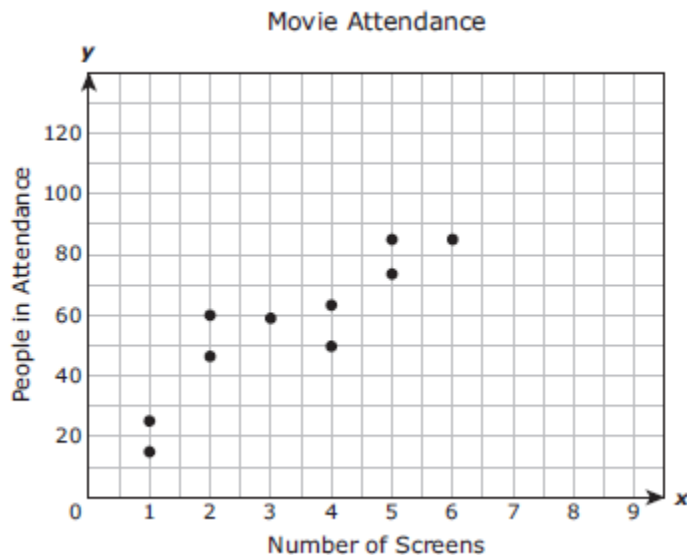| **Learning Goal**: I can use a **trend line** to make predictions on a **scatterplot** that has a linear relationship/association. *Meta de Aprendizaje*: *Puedo usar una **línea de tendencia** para hacer predicciones en un **diagrama de dispersión** que tiene una relación/asociación lineal.*	**Language Goal:** I can read a **scatterplot** and **trend line** to describe a linear relationship/association. *Lenguaje Objetivo*: *Puedo leer un **diagrama de dispersión** y una **línea de tendencia** para describir una relación/asociación lineal.*

INTRODUCTION TO TREND LINES

WHAT is a **trend line**?   A _____ is the approximate line on a _____ .

WHY use a **trend line**?   A _____ makes it much easier to _____ and

_____ the data from a _____ .
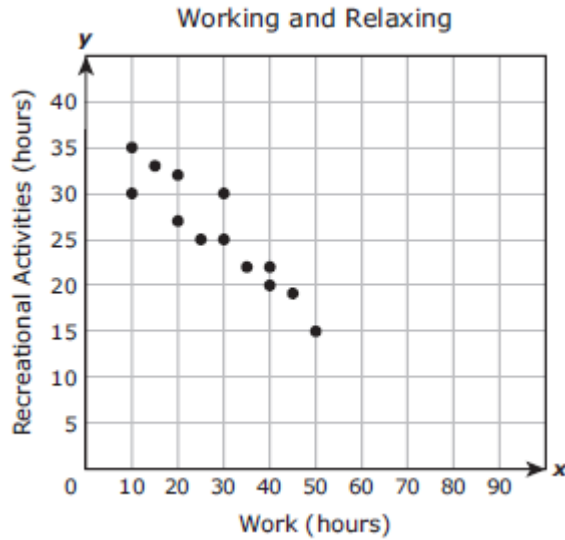
CREATING AND USING TREND LINES

EXAMPLE 1:

QUESTION: Based on the **trend** in the **scatterplot**, approximately how many people will attend a movie theater that has 5 screens?

STEPS TO CREATE AND USE A TREND LINE:

1. _____ the data points

2. Draw a straight line _____ of the circle

3. Use your **trend line** to make predictions!

ANSWER: A movie theater with 5 screens will have approximately _____ people.
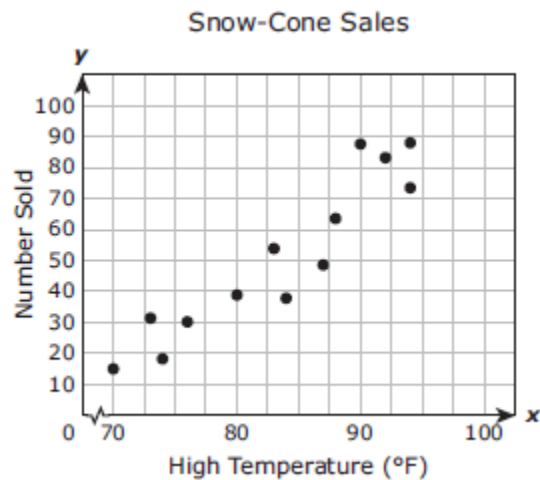
EXAMPLE 2:

Working and Relaxing

QUESTION: Based on the scatterplot, what is the best prediction of the average number of hours a person spends at work every week if that person spends an average of 10 hours on recreational activities every week?

STEPS TO CREATE AND USE A TREND LINE:

1. **CIRCLE** the data points

2. Draw a straight line **IN THE MIDDLE** of the circle

3. Use your **trend line** to make predictions!

ANSWER: Someone who spends 10 hours doing recreational activities will work for

_____ hours.

EXAMPLE 3:

Snow-Cone Sales

QUESTION: Based on the scatterplot, approximately how many snow cones will be sold on a day when the high temperature is 85°F?

STEPS TO CREATE AND USE A TREND LINE:

1. **CIRCLE** the data points

2. Draw a straight line **IN THE MIDDLE** of the circle

3. Use your **trend line** to make predictions!

ANSWER: If the high temperature is 85°F, they will sell _____ snow cones.