

PRACTICE: LESSON 6.2 – INTERPRETING TREND LINES

Name: _____

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**.

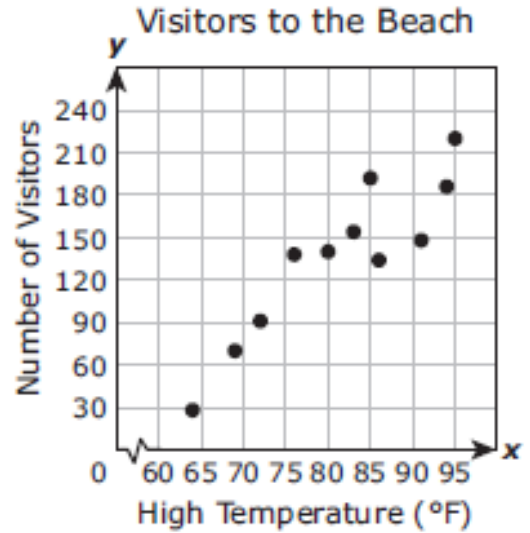
1. Based on this scatterplot, approximately how many visitors will visit the beach if the high temperature is 75°F?

_____ visitors

2. Based on this scatterplot, approximately what is the high temperature if there were 180 visitors to the beach?

_____ °F

3. Does the scatterplot show a **POSITIVE** or **NEGATIVE** linear relationship?



4. If there were 275 pitches thrown during a baseball game, approximately how many baseballs were used?

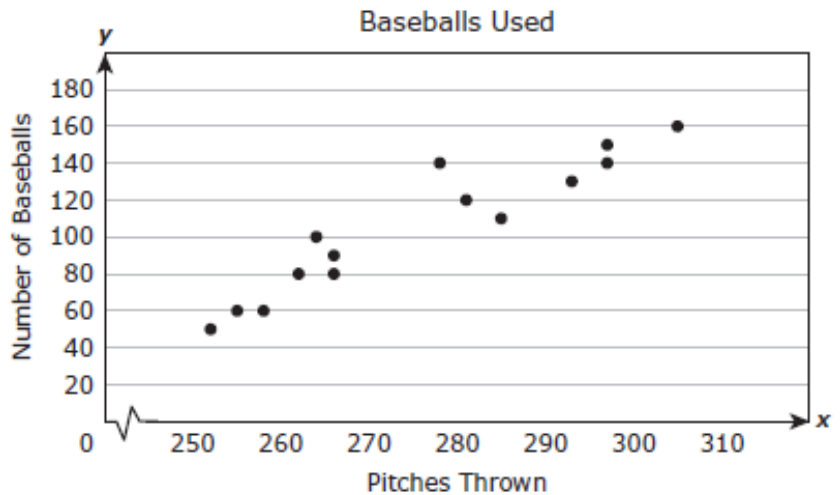
_____ baseballs

5. If a baseball game used 150 baseballs, how many pitches may have been thrown?

_____ pitches thrown

6. Based on the scatterplot, about how many pitches are thrown in a game that uses 180 baseballs?

_____ pitches thrown

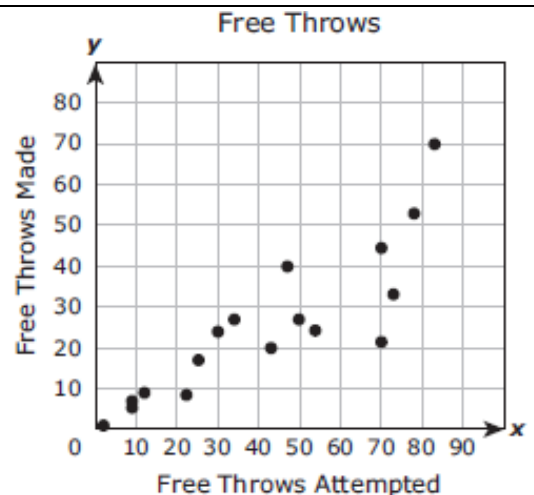


7. Based on the trend in the data, about how many free throws would a player be expected to make if they attempted 40 free throws?

_____ free throws made

8. Based on the trend in the data, about how many free throws did a player attempt if they made 60 free throws?

_____ free throws attempted



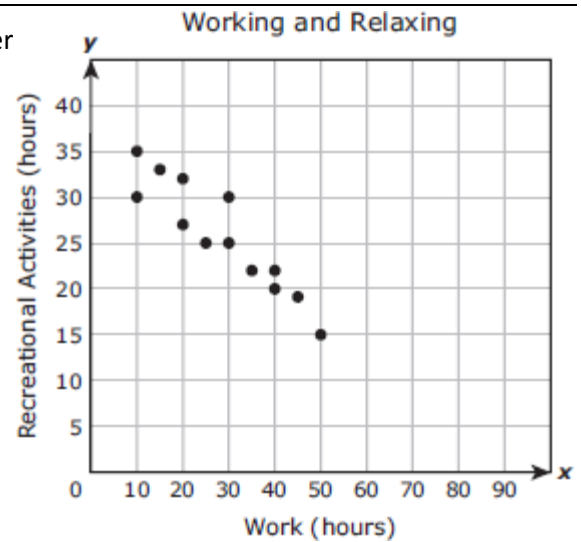
9. Based on the scatterplot, what is the best prediction for the number of hours a person will work per week if they spend 25 hours doing recreational activities per week?

_____ hours

10. Based on the trend in the data, about how many hours does a person spend on recreational activities if they work for 70 hours?

_____ hours

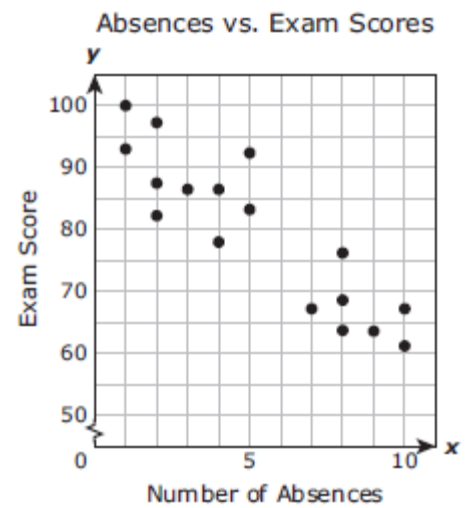
11. Does the scatterplot show a **POSITIVE** or **NEGATIVE** linear relationship?



12. Based on the scatterplot, approximately what exam score will a student earn if they have 9 absences?

13. Based on the scatterplot, about how many absences will a student have if they earned an exam score of 85?

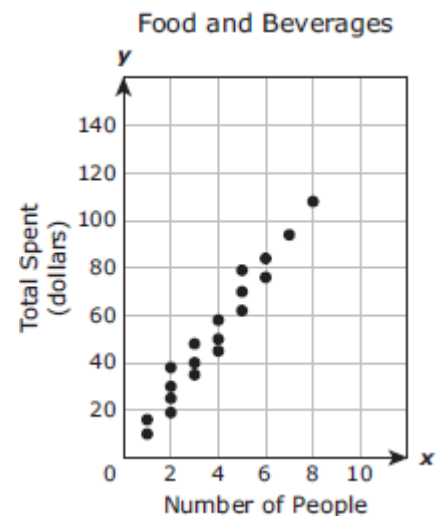
14. Based on the trend in the data, what is the predicted exam score for a student that has 6 absences?



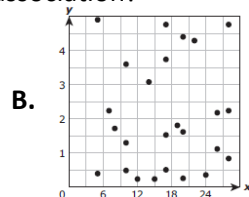
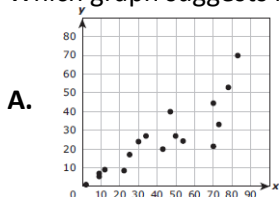
15. Based on this scatterplot, about how much would a group of 6 people be expected to spend on food and beverages?

16. Based on the trend in the data, about how many people ate at a table that spent \$120 on food and beverages?

17. Based on the scatterplot, about how much would a group of 11 people be expected to spend on food and beverages?



18. Which graph suggests no association?



19. Which graph suggests a non-linear relationship?

