Science Virtual Learning

6th Grade Science: Graphing

April 28, 2020

6th Grade Science
Lesson: April 28, 2020
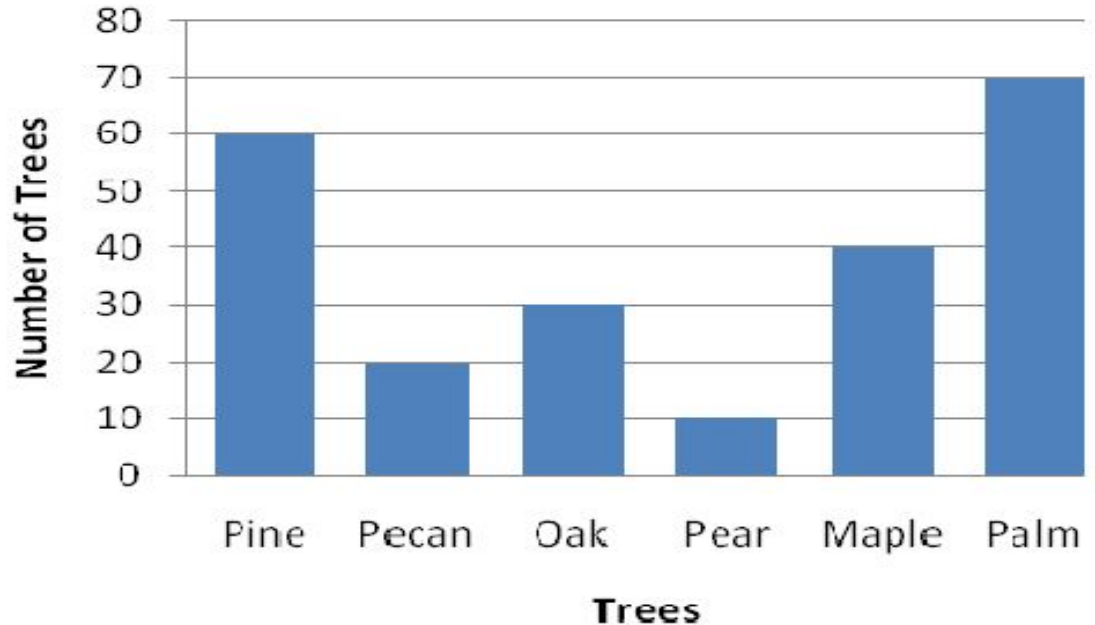
Objective/Learning Target:

I can analyze and interpret different types of graphs.

Independence School District — Inspiring Greatness

Warm-Up:

Use the graph to answer the questions on the following slide.
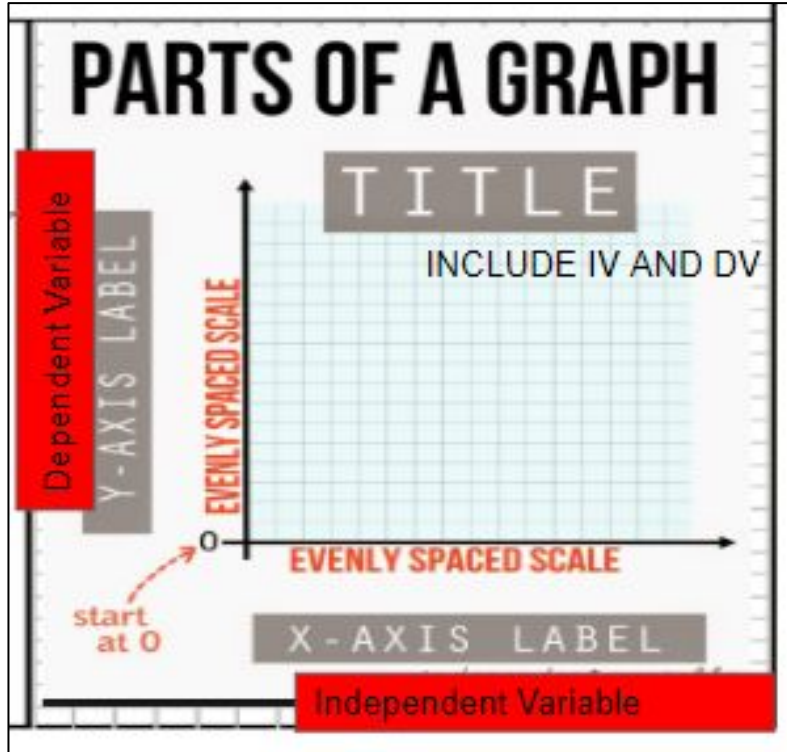
Trees planted in 2012

Warm-Up: Questions about graph

1. How many trees were planted in the city altogether in 2012?

2. How many palm trees were planted?

3. How many more maple trees were planted than pecan trees?

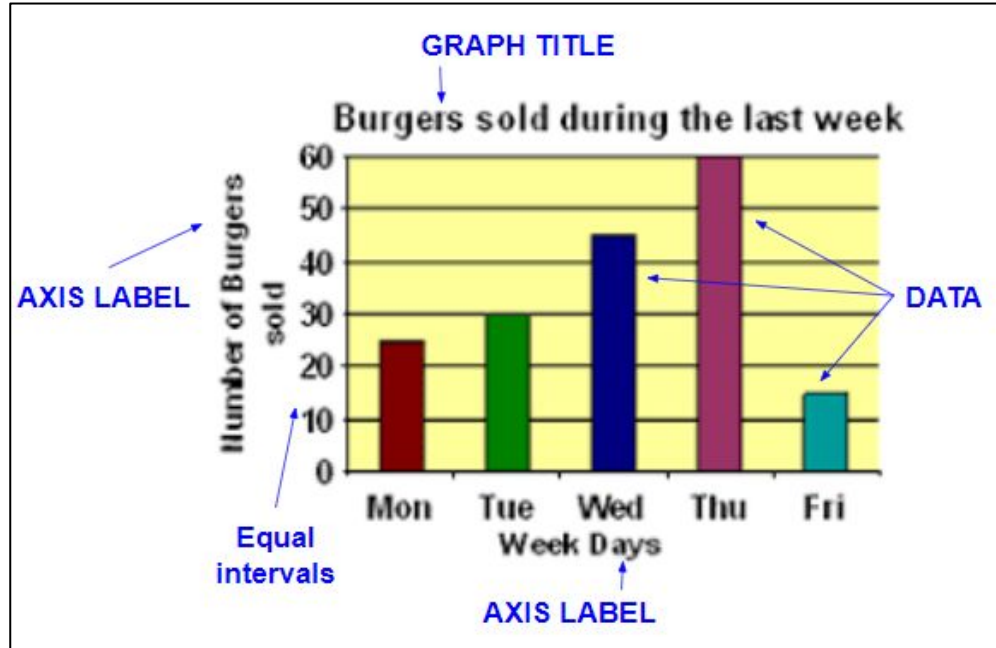4. How many less pear trees were planted than oak trees?

Warm-Up: Answers

1. How many trees were planted in the city altogether in 2012? 230

2. How many palm trees were planted? 70

3. How many more maple trees were planted than pecan trees? 20

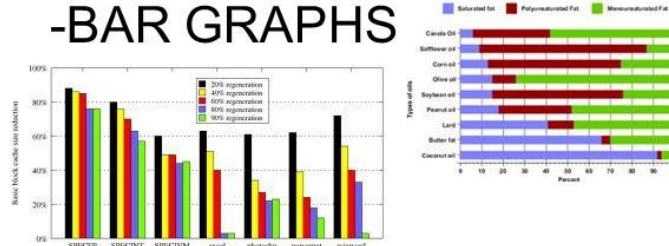4. How many less pear trees were planted than oak trees? 20

PARTS OF A GRAPH

TITLE
INCLUDE IV AND DV

Dependent Variable
Y-AXIS LABEL
EVENLY SPACED SCALE

start at 0

0

EVENLY SPACED SCALE
X-AXIS LABEL
Independent Variable

Example:

GRAPH TITLE

Burgers sold during the last week

AXIS LABEL

Number of Burgers sold

60
50
40
30
20
10
0

Mon   Tue   Wed   Thu   Fri

Week Days

Equal intervals

AXIS LABEL

DATA

3 Main Types of Graphs:

Bar Graphs: Compare things between different groups or to track changes over time. Best when the changes are larger.
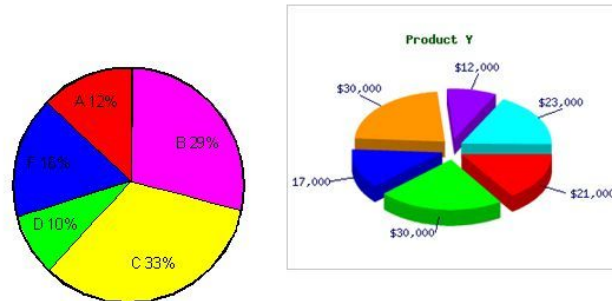
Line Graphs: Used to track changes over short and long periods of time. Line graphs can also be used to compare changes over the same period of time for more than one group.

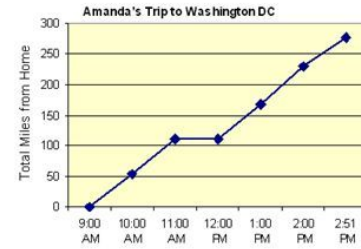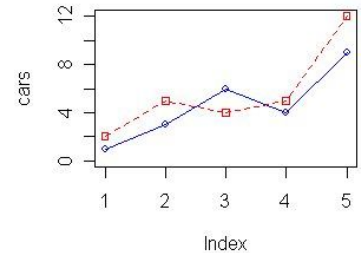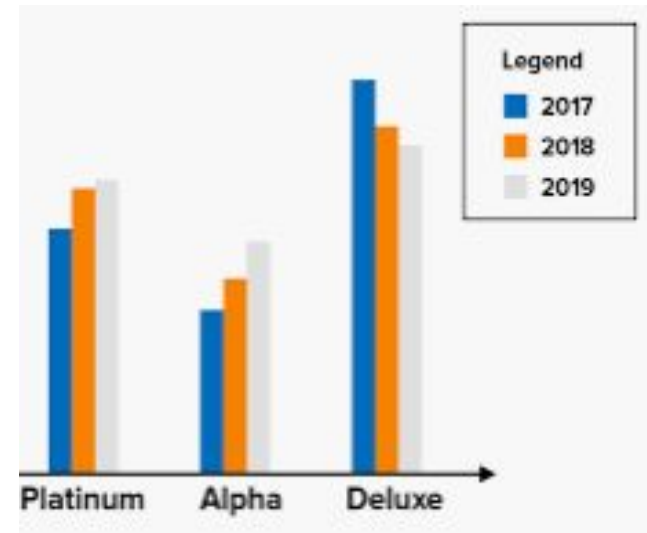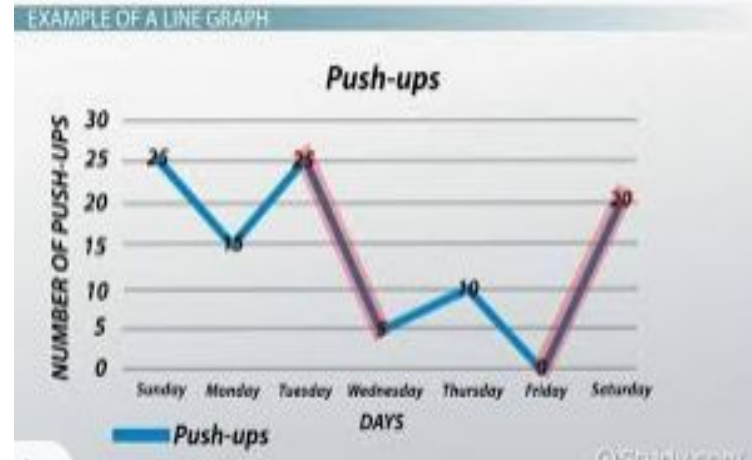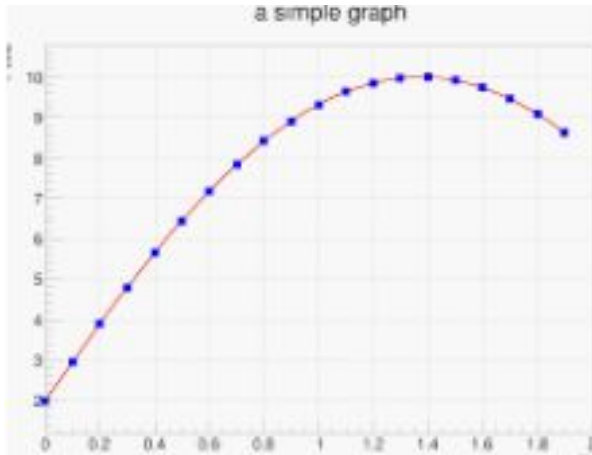**Pie Charts:** Used when you are trying to compare parts of a whole.

Practice: Use this graphing link to practice analyzing different types of graphs. The answer will be provided once you enter your response.

Practice: Use this [Link](#) to learn about and practice line graphs. At the bottom you will answer questions and the correct answer will be given.
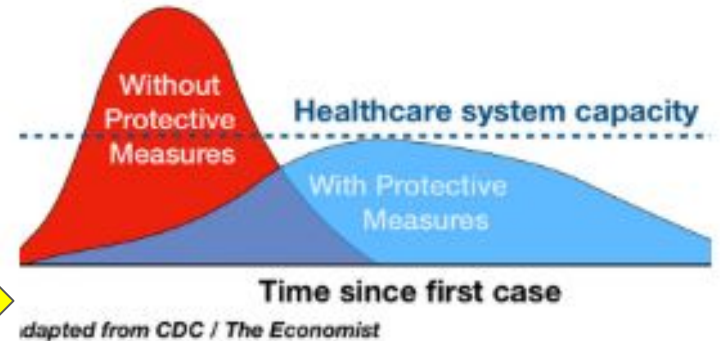

a simple graph

EXAMPLE OF A LINE GRAPH

Push-ups

Additional Practice:

Understanding Graphs Slideshow

New York Times- What's Going on in this Graph?

This link has lots of interesting graphs about Coronavirus.

What's Going On in This Graph?|
Flatten the Curve