

Warm Up: Algebra 2

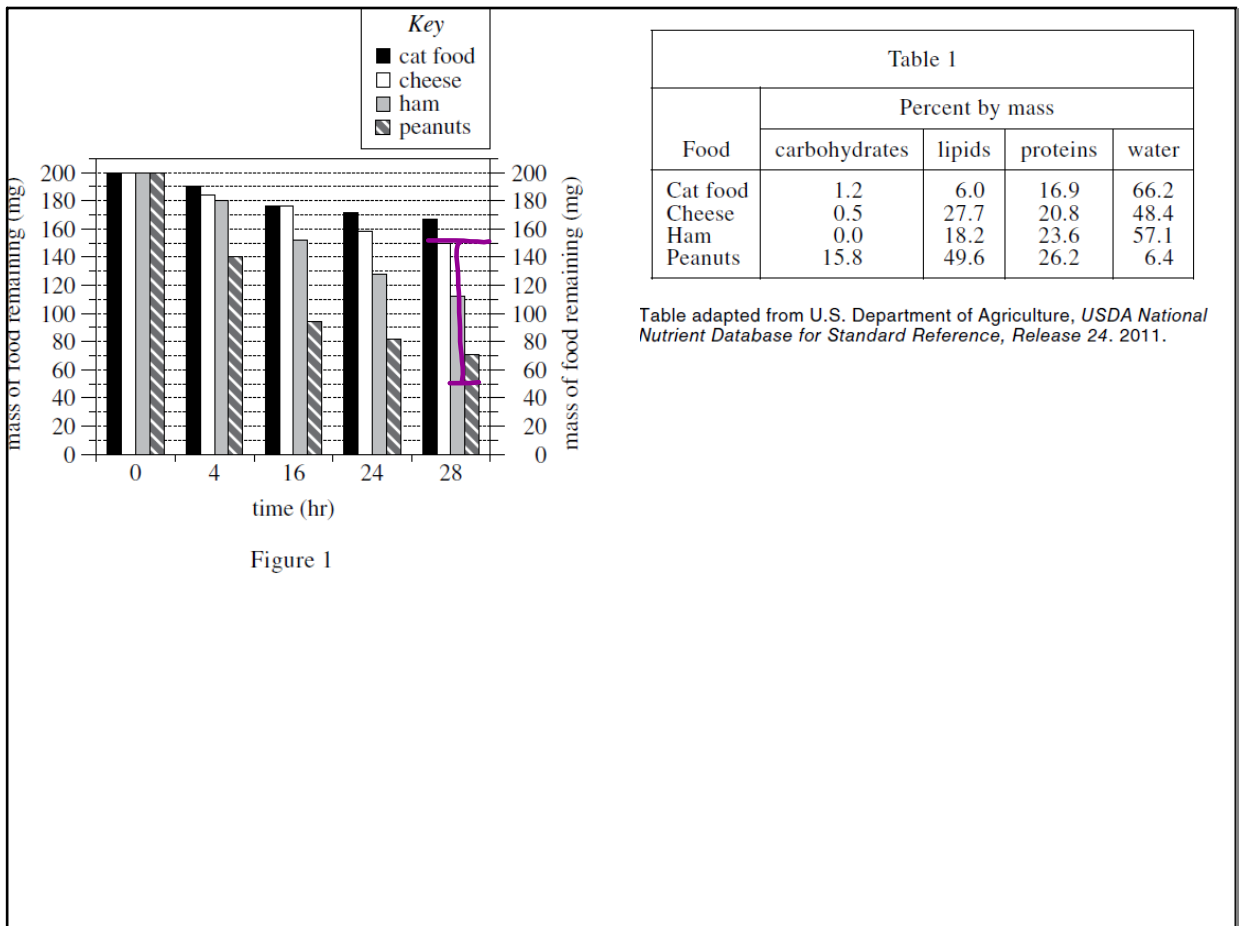
9/10

Grab one of each.

ACT Science test and Graphs of the week.

Do the ACT Science test.

Feb 27-7:39 AM



Sep 13-7:40 AM

1. According to Figure 1, the mass of cheese remaining at 4 hr was closest to which of the following values?
  - A. 140 mg
  - B. 176 mg
  - C. 185 mg
  - D. 190 mg

Sep 13-7:41 AM

2. Suppose a company wants to use food as bait in a trap designed to capture female *B. germanica*. Based on Figure 1, which of the 4 foods should the company place in the trap to maximize the chance of capturing female *B. germanica* ?
  - F. Cat food
  - G. Cheese
  - H. Ham
  - J. Peanuts

Sep 13-7:41 AM

3. Consider the 4 foods in order of the percent by mass of proteins, from lowest to highest. From food to food, as the percent by mass of proteins increased, the mass of food remaining at 28 hr:
- A. increased only.
  - B.** decreased only.
  - C. increased and then decreased.
  - D. decreased and then increased.

Sep 13-7:41 AM

4. Consider the statement “The *B. germanica* ate the food between 0 hr and 4 hr, between 4 hr and 16 hr, between 16 hr and 24 hr, and between 24 hr and 28 hr.” This statement is consistent with the data in Figure 1 for how many of the 4 foods?
- F. 1
  - G. 2
  - H. 3
  - J. 4

Sep 13-7:41 AM

5. A student predicted that the *B. germanica* would eat less cat food than ham by the end of the study. Do the data in Figure 1 support this prediction?
- A. Yes; at 28 hr, the mass of cat food remaining was about 55 mg greater than the mass of ham remaining.
  - B. Yes; at 28 hr, the mass of cat food remaining was about 95 mg greater than the mass of ham remaining.
  - C. No; at 28 hr, the mass of cat food remaining was about 55 mg less than the mass of ham remaining.
  - D. No; at 28 hr, the mass of cat food remaining was about 95 mg less than the mass of ham remaining.

Sep 13-7:41 AM

6. Based on Table 1, when 200 mg of each of the 4 foods was placed in the box, water accounted for more than 100 mg of the mass of which food(s)?
- F. Peanuts only
  - G. Cat food and ham only
  - H. Cheese and peanuts only
  - J. Cat food, cheese, and ham only

Sep 13-7:41 AM

W.A.L.T.:

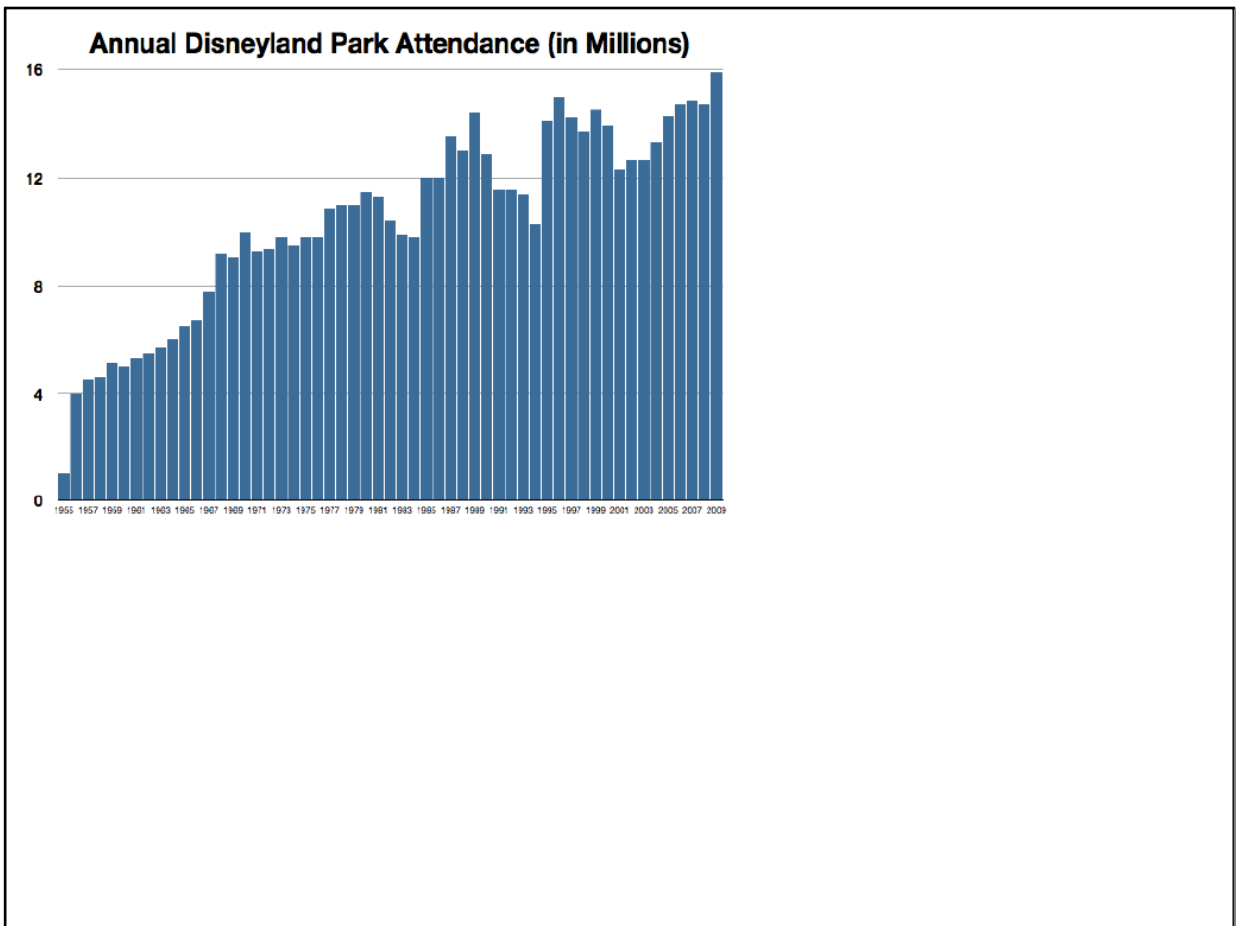
Day 1

Read and interpret graphs.

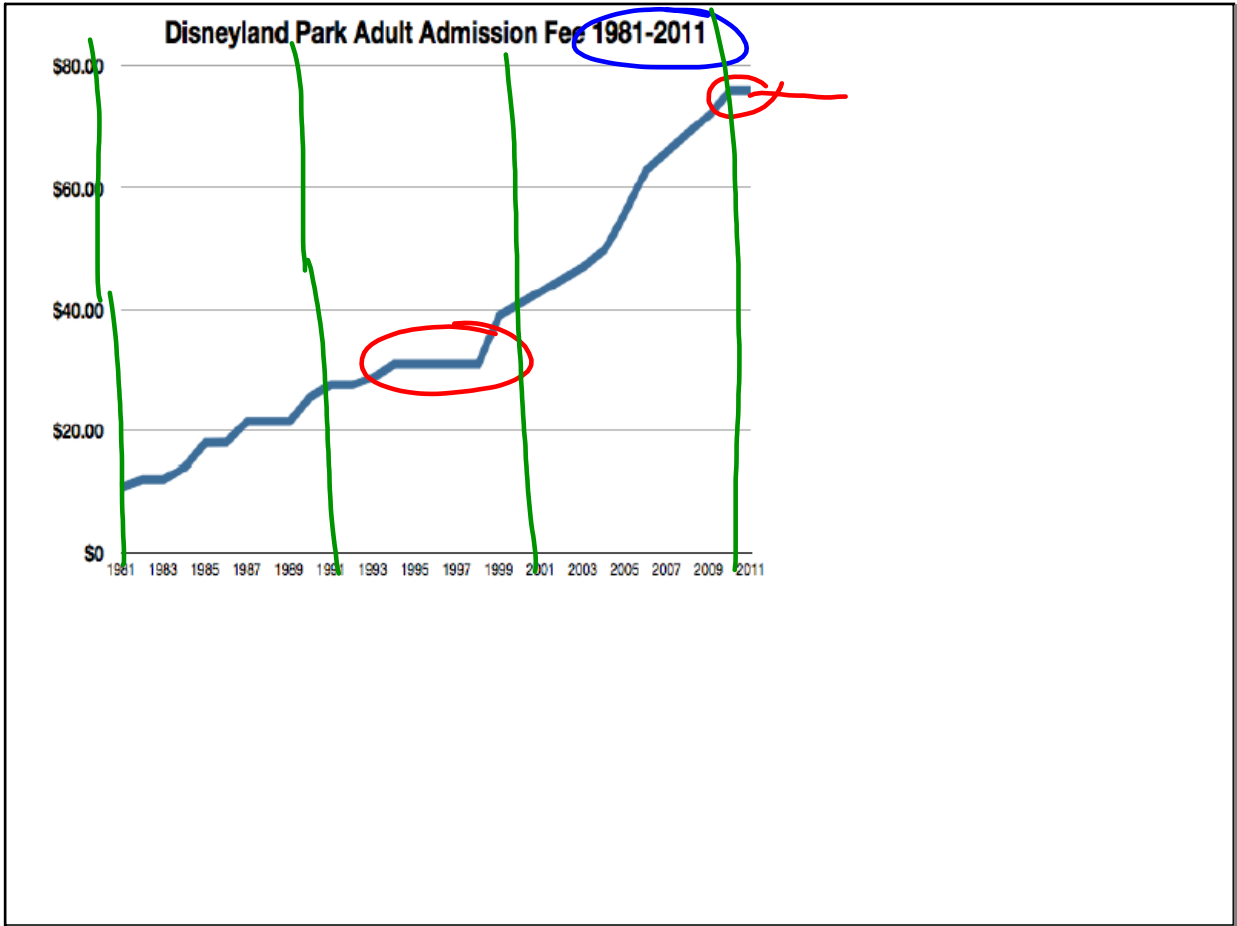
W.A.S.I.:

Understand the information being shown in the graph and answer questions about that information.

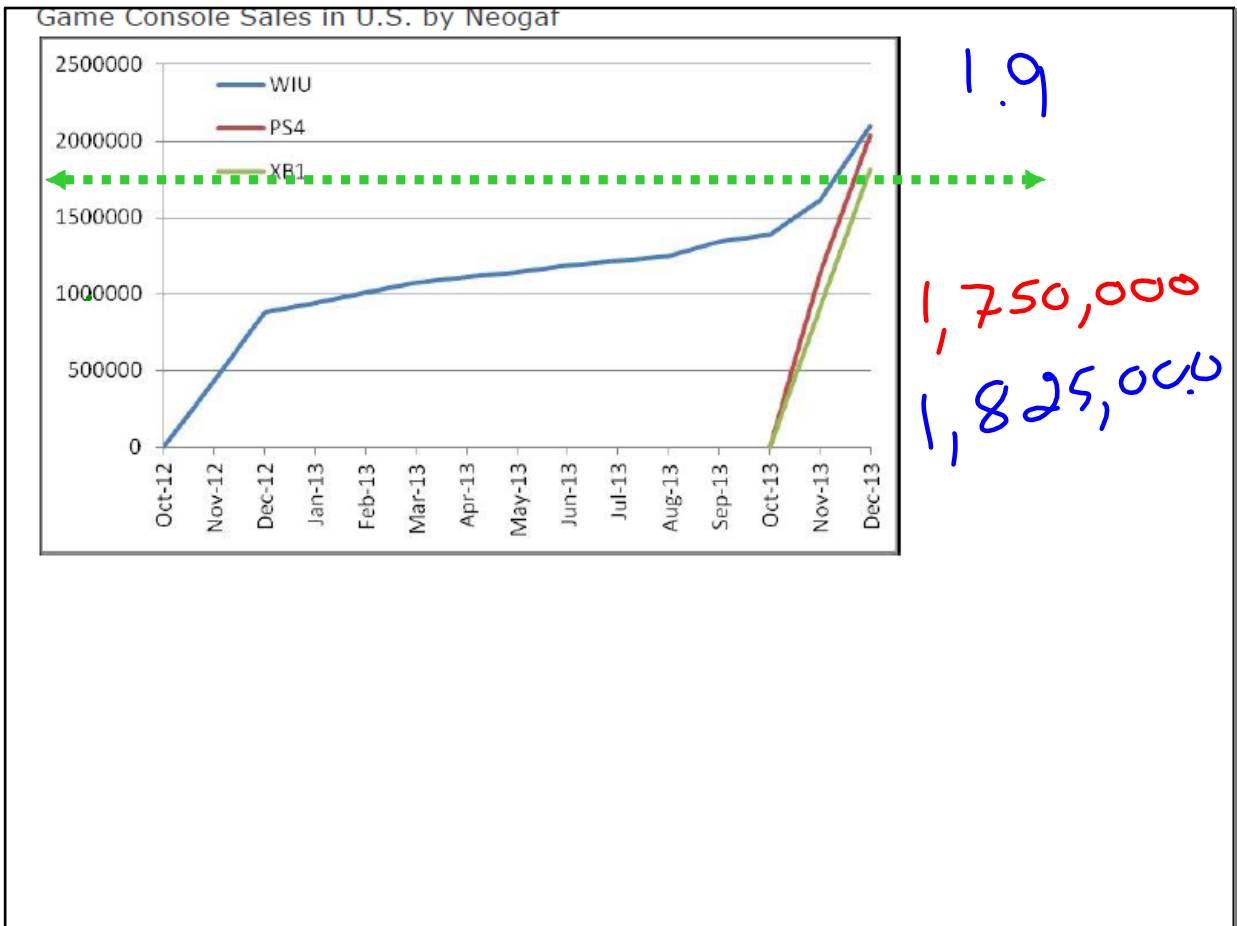
Mar 7-9:45 AM



Sep 17-10:15 PM



Sep 10-7:50 AM



Sep 10-8:07 AM

Today's Activities:

- Went over graphs

P.W. for tonight:

- Complete the other two graphs

Day 3

Dec 31-9:59 PM