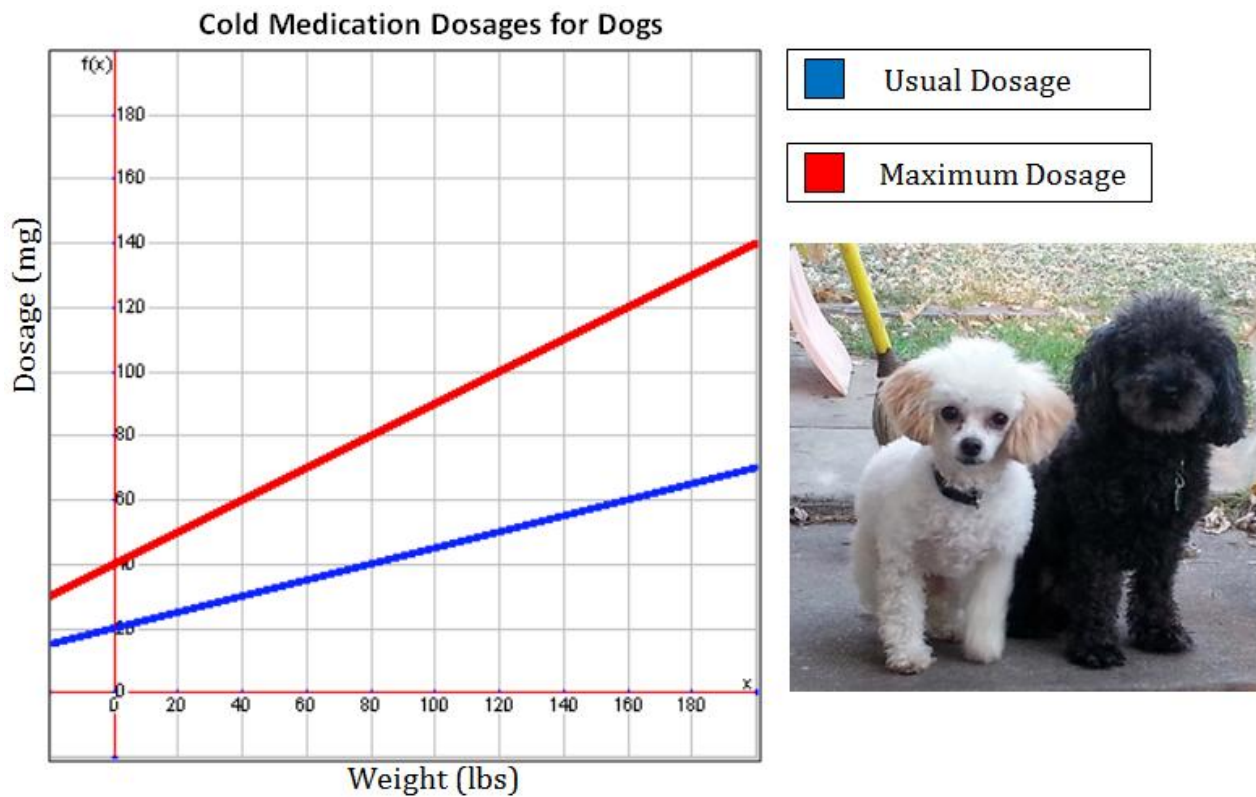
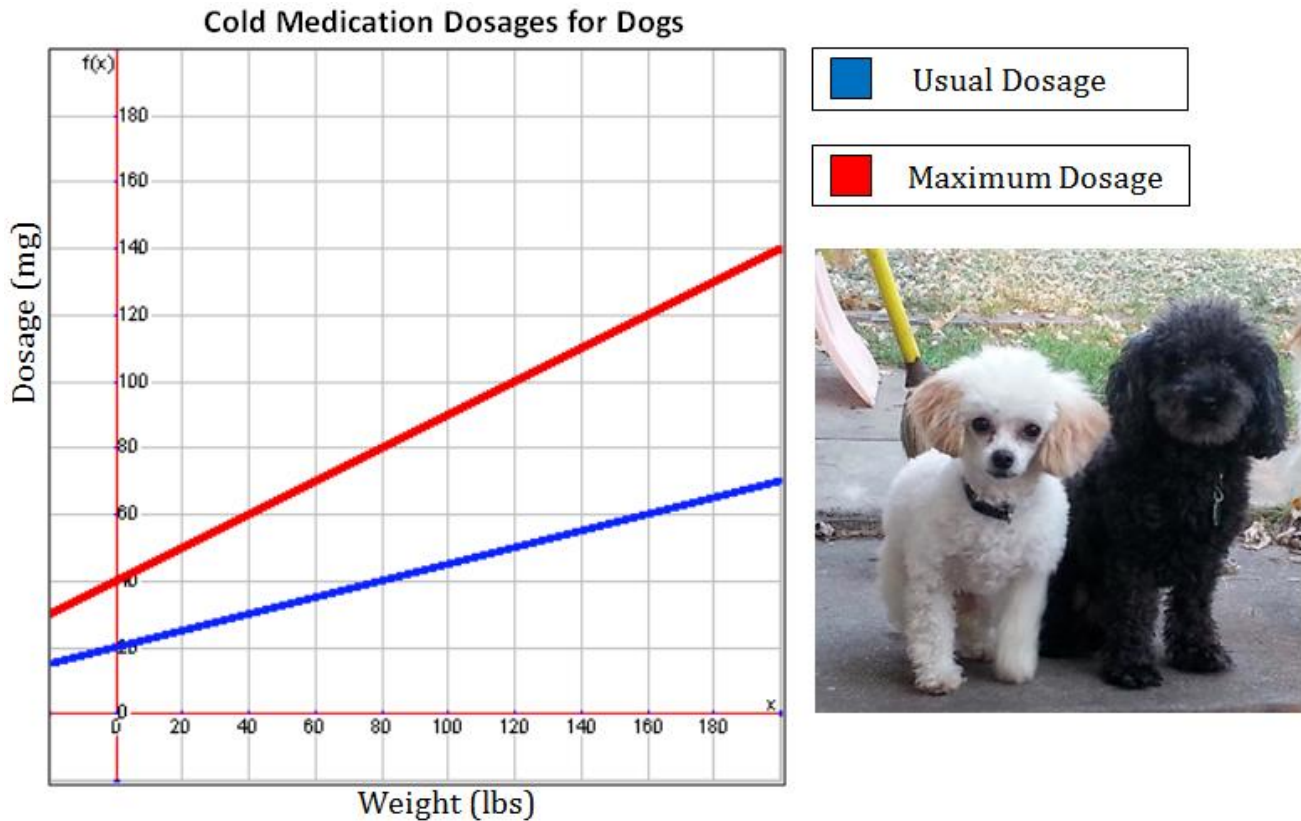


Real Life Graphs



1. What information can you determine from the graph?
2. Find three points for each line.
3. Which line has the higher rate of change and how do you know?
4. What is the rate of change for each line?
5. What is the initial value for each line?
6. What is the equation for each line?
7. Write a verbal description of each line.
8. Why might the maximum dosage line be steeper than the usual dosage line?

Real Life Graphs: Answer Key



1. What information can you determine from the graph?

Answers will vary. Sample Answer: Dosages start with at least 20 mg. The maximum dosage is higher than the usual dosage. The maximum dosage increases faster than the usual dosage.

2. Find three points for each line.

Blue line: (0,20), (80,40), (160,80)

Red line: (0,40), (40,60), (80,80), (120,100), (160,120)

3. Which line has the higher rate of change and how do you know?

Red line because it is steeper.

4. What is the rate of change for each line?

Blue line: $\frac{1}{4}$ Red line: $\frac{1}{2}$

5. What is the initial value for each line?

Blue line: 20 Red line: 40

6. What is the equation for each line?

Blue line: $y = \frac{1}{4}x + 20$ Red line: $y = \frac{1}{2}x + 40$

7. Write a verbal description of each line.

Blue line: Dosages start at 20 mg and then increase by 1 mg for every 4 pounds the dog weighs.

Red line: Dosages start at 40 mg and then increase by 1 mg for every 2 pounds the dog weighs.

8. Why might the maximum dosage line be steeper than the usual dosage line?

Answers will vary. Sample answer: Vets need to treat bad colds more aggressively.