## Unit 6 Lesson 14 Cumulative Practice Problems

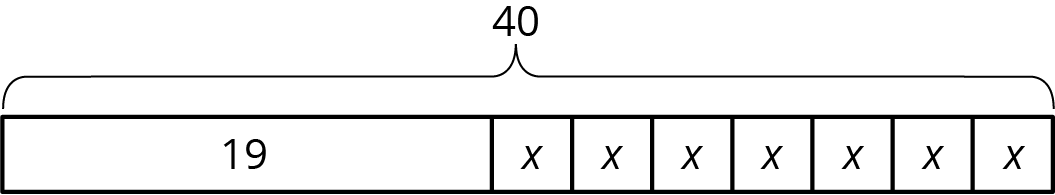
1. The solution to is either or . Which solution is correct? Explain how you know.
2. The school band director determined from past experience that if they charge dollars for a ticket to the concert, they can expect attendance of . The director used this model to figure out that the ticket price needs to be $8 or greater in order for at least 600 to attend. Do you agree with this claim? Why or why not?
3. Which inequality is true when the value of is -3?

* (From Unit 6, Lesson 13.)

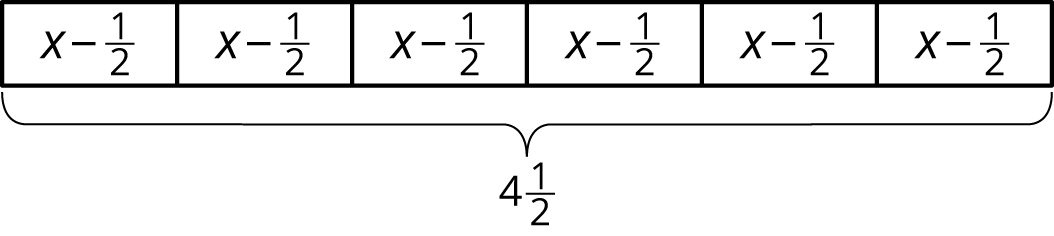
1. Draw the solution set for each of the following inequalities.
   * 
   * 

* (From Unit 6, Lesson 13.)

1. Write three different equations that match the tape diagram.

* 
* (From Unit 6, Lesson 3.)

1. A baker wants to reduce the amount of sugar in his cake recipes. He decides to reduce the amount used in 1 cake by cup. He then uses cups of sugar to bake 6 cakes.

* 
  1. Describe how the tape diagram represents the story.
  2. How much sugar was originally in each cake recipe?
* (From Unit 6, Lesson 2.)

1. One year ago, Clare was 4 feet 6 inches tall. Now Clare is 4 feet 10 inches tall. By what percentage did Clare’s height increase in the last year?

* (From Unit 4, Lesson 12.)



© CC BY Open Up Resources. Adaptations CC BY IM.