**The Candy Jar Task**

The candy jar shown below contains Jolly Ranchers (green rectangles) and Jawbreakers (red circles).



Solve each of the following problems:

1. Suppose you had a new candy jar with the same ratio of Jolly Ranchers to Jawbreakers as shown above, but it contained 100 Jolly Ranchers. How many Jawbreakers would you have? Explain how you know.

2. Suppose you had a candy jar with the same ratio of Jolly Ranchers to Jawbreakers as shown above, but it contained 720 candies. How many of each kind of candy would you have? Explain how you know.

*If you finish, try solving problems 1 and 2 using a different approach from the one you first used. Describe the relationship between the different approaches to solving the same problem.*

EXTENSION

3.Suppose that you are making treats to hand out to trick-or-treaters on Halloween. Each treat is a small bag that contains 5 Jolly Ranchers and 13 Jawbreakers. You have 50 Jolly Ranchers and 125 Jawbreakers. How many small bags could you make up? Explain how you know.

Adapted from Smith, M. S., Silver, E. A., Stein, M. K., Boston, M., & Henningsen, M. A. (2005). *Improving instruction in rational numbers and proportionality: Using cases to transform mathematics teaching and learning, Volume 1*. New York: Teachers College Press.