

Presentation 615: Planning for Success

Using ratios, order the groups according to their preference for Video A.

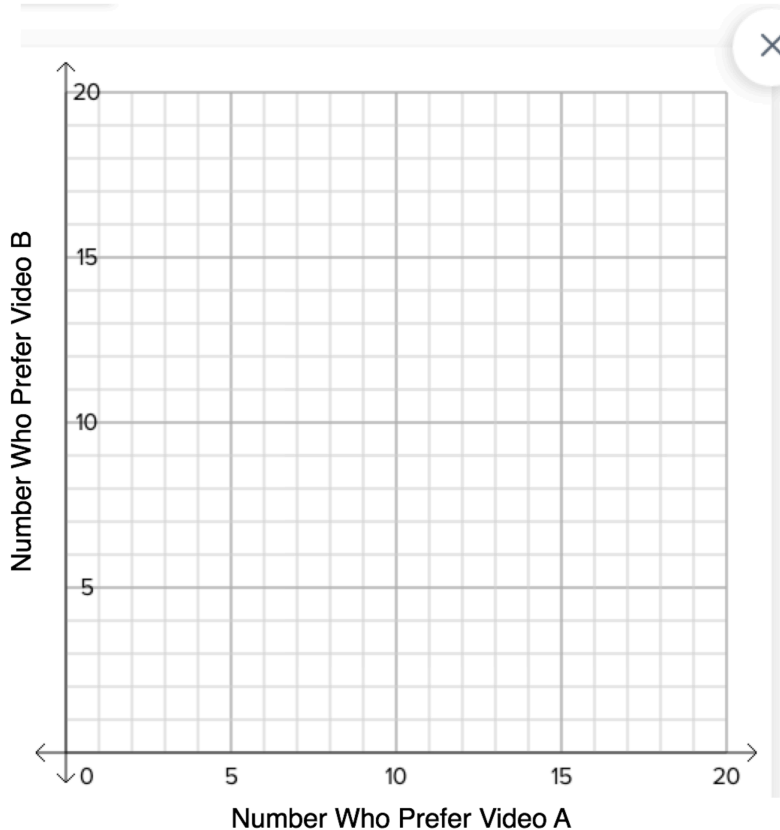
Then, use points and rays to graph the ratios for the groups on the coordinate plane provided.

Funny People	
Number Who Prefer Video A	Number Who Prefer Video B
5	3

Serious People	
Number Who Prefer Video A	Number Who Prefer Video B
7	5

Impatient People	
Number Who Prefer Video A	Number Who Prefer Video B
6	2

Patient People	
Number Who Prefer Video A	Number Who Prefer Video B
8	8



- Order the groups from “prefers Video A the most” to “prefers Video A the least”.
- What strategy did you use to answer Question a?
- How does the graph support your answer for Question a?

Excellent resources for planning lessons around complex tasks:

Stein, M. K., Smith, M. S., Henningsen, M. A., & Silver, E. A. (2000). *Implementing Standards-based mathematics instruction*. NCTM: Reston, Virginia.

Jackson, K. J., Shahan, E. C., Gibbons, L. K., & Cobb, P. A. (2012). Launching Complex Tasks. *Mathematics Teaching in the Middle School*, 18(1), 24–29.

Smith, M. S., Bill, V., & Hughes, E. K. (2008). Thinking through a Lesson: Successfully Implementing High-Level Tasks. *Mathematics Teaching in the Middle School*, 14(3), 7.

Stein, M. K., & Smith, M. (2011). *5 Practices for Orchestrating Productive Mathematics Discussions*. NCTM: Reston, Virginia.