

## Rubric – Writing A Protocol To Send & Receive BinaryNumbers

### Protocol Rubric

Use the following criteria to evaluate your success in creating a protocol for sending the coordinates to draw an image described in the Sending Numbers activity. Justify your score for each rating.

Criteria	Yes	No	Comments
The team successfully collaborated to create a workable protocol for sending numbers.			
<ul style="list-style-type: none"><li>The order of values is defined.</li></ul>			
<ul style="list-style-type: none"><li>The recipient can distinguish when one number ends and another starts.</li></ul>			
The receiving team member was able to translate the numbers and re-create the drawing on the other end.			

### Reflection:

*Note: These questions also appear in Code Studio and can be answered there.*

1. What problems arose in your efforts to create a working protocol? How did you think about the problems in order to solve them?
2. How did collaboration play a role in the creation of your protocol?
3. You have a coordinate grid that is 96 x 96. What is the minimum number of bits that you will need to encode a coordinate in that space?
  - a. 16
  - b. 14
  - c. 13
  - d. 10