

Unit Five Graphing Activity

For this assignment you will break into partners (groups of 2) and complete the following for each activity:

- 1) Create and label an “Arrow Diagram”.
- 2) Sketch the graph.
- 3) List the Domain, Range, and identify whether it is a Function or not.

Only one sheet needs to be handed in. Make sure to show your work and to write your names at the top.

Activities

A) Guessing Game:

One partner will choose a number between 1 and 20. The second partner will try and guess that number. They will keep guessing until they have chosen the right number. You will do this six times in your pairs. After each game, write down how many attempts it took to guess the right number.

B) Paper Basketball:

One partner will be the player and the other will be the recorder. The player will stand behind the table and attempt to throw balls of paper into the recycling bin. They will shoot constantly for forty seconds. The recorder will keep track of time and write down the number of shots that are made in each ten-second interval.

C) Heart Rate:

Count the number of heart beats one partner has in 30 seconds. After writing that number down, have the same partner do 15 Jumping Jacks and then count the number of heartbeats they have in 30 seconds. Repeat keeping track of the heartbeat for 30 seconds after the same partner does 15 pushups, and then again after running on the spot for thirty seconds.