

Card Trail

Judge: Preparation:

Have a 6' folding ruler

Either a blank piece of cardboard, 40"x40"

or (preferable) 36 1/2" self-adhesive removable labels

A standard deck of playing cards

Create an area with 36 numbered dots or 36 numbers written on the cardboard, with the numbers or dots spread apart on 7 1/2" centers in each direction as follows:

1	2	3	4	5	6
1	2	3	4	5	6
3	4	5	6	1	2
4	5	6	1	2	3
4	5	6	1	2	3
6	5	4	3	2	1

Provide a copy of the problem instructions on the table for the team members.

Judge Instructions:

(Judge: When team members enter the room, tell them)

This is a hands-on problem. You have 1 minute to select the five team members who will compete. The others must sit in these seats and watch or be escorted from the room. They may not assist in solving the problem and may not talk.

(Judge: After 5 Team Members Chosen and seated, Read all the instructions, repeat, then Start the Time)

Your challenge is create a trail of cards covering as many of the numbers and dots as possible

- You must construct a trail of cards touching each other covering as many dots and numbers as possible
- Your score is the some of the numbers on the dots that are completely covered by the trail
- There will be only one trail counted by the judges. If some of the cards are not connected together and form more than one trail, then the Judges will ask you to choose the single trail to be counted

Construction (4 minutes)

- You will have 4 minutes to construct the trail
- You will be given warnings when 2 minutes, and 1 minute remain.
- You may stop early and inform the Judges that you are done

At the end of Construction , the Judges will:

- Determine if there is more than one trail, if so, then the judges will give the team 30 seconds to choose the single trail to be scored
- Determine which dots are completely covered and not completely covered
- Determine the total score by counting and totaling the numbers not completely covered.

You may ask questions at any time, time continues

(Judge: Repeat all the instructions, then Start the Time)

Card Trail

Team Copy

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