

Royal Tunnel

Judge: Preparation:

Have a 6' folding ruler

2 Decks of Playing Cards

Make "tunnel" with three cards on the table (two sides and a top)

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 to construct a tunnel of playing cards

- On the table is a simple tunnel made with three cards
- Your job is to construct as long a tunnel as possible, that is a continuous set of cards that touch that form a tunnel, the tunnel must have two sides and a top, and every part of the tunnel must be connected to other parts of the tunnel. There should be no gaps in the tunnel.
- The tunnel must be constructed entirely with the cards provided.

Construction (6 minutes)

- You will have 6 minutes to construct the tunnel
- 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 measure the longest tunnel.

Scoring:

- 1-20 points for teamwork
- 1 for each inch of tunnel

You may ask questions at any time, time continues

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

Royal Tunnel

Team Copy

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 to construct a tunnel of playing cards

- On the table is a simple tunnel made with three cards
- Your job is to construct as long a tunnel as possible, that is a continuous set of cards that touch that form a tunnel, the tunnel must have two sides and a top, and every part of the tunnel must be connected to other parts of the tunnel. There should be no gaps in the tunnel.
- The tunnel must be constructed entirely with the cards provided.

Construction (6 minutes)

- You will have 6 minutes to construct the tunnel
- 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 measure the longest tunnel.

Scoring:

- 1-20 points for teamwork
- 1 for each inch of tunnel

You may ask questions at any time, time continues