

Seat Modeling Data Sheet

Group Members:

Date:

Period:

Directions

- Set up the row: Arrange chairs to match your assigned seat configuration. Place two rows so you can measure pitch.
- Measure the pitch: Use a measuring tape to find the distance from the back of one seat to the back of the seat in front of it. Record in inches.
- Rate Comfort: Have each team member sit in the same seat and rate legroom comfort on a 1–5 scale (1 = very cramped, 5 = very comfortable).
- Rate Practicality: Have one group member sit in the "window" seat and another student sit in the "aisle" seat. The window-seat student must try to get out of the row — without the aisle-seat student standing up — and rate how difficult it was.

Configuration 1					
Seat Configuration (Circle One)	3-3	2-3	2-2	1-2-1	
Total passengers this arrangement fits:					
Seat pitch (inches):					
Comfort Rating: 1 = very cramped, 5 = very comfortable	1	2	3	4	5
Practicality Rating: • 1 = Impossible to exit without the aisle-seat passenger standing up • 3 = Some squeezing or contact required • 5 = Clear path, easy to get out without any contact	1	2	3	4	5

Notes on Arrangement 1:

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Configuration 2					
Seat Configuration (Circle One)	3-3	2-3	2-2	1-2-1	
Total passengers this arrangement fits:					
Seat pitch (inches):					
Comfort Rating: 1 = very cramped, 5 = very comfortable	1	2	3	4	5
Practicality Rating: 1 = Impossible to exit without the aisle-seat passenger standing up 3 = Some squeezing or contact required 5 = Clear path, easy to get out without any contact	1	2	3	4	5

Notes on Arrangement 2:

Which arrangement did you prefer, and why?

What problems did you notice with either arrangement — things that would make passengers unhappy?

How will what you experienced today help you design the interior of your airplane for A+ Airways?