

Answer to L105 Cinema Seats

From left to right, the seats are occupied by: Ayesha, Carol, Darius, Brian

Notes

This is a relatively straightforward logic problem. It's probably best to take the clues in this order:

Ayesha is sitting on the seat at the far left of the group: This is the only clue that fixes the position of one of the people precisely. We know that Ayesha occupies the left end of the row.

Ayesha does not like Brian: so Brian is not sitting next to Ayesha.

The boys want to sit together: so the boys occupy the second and third seats, or the third and fourth seats.

Carol doesn't like Brian either: this means that Brian *must* be in the fourth seat, at the other end to Ayesha. In any other seat, he would end up sitting next to one of the girls.

Darius is sitting between a boy and a girl: If Brian is in the fourth seat, Darius must be in the third seat (the boys wanted to sit together).

This leaves the second seat free for Carol.

As there are only four people to position and the first clue fixes Ayesha's place, children may well use a 'trial and error' method to place the other three children. In this case, they have a reasonable chance of success using this approach.

Giving pupils the resources on the next page may help them to think logically about the problem.