Info Gap: Terms of a Team

## Problem Card 1

To participate in a competition, each team must follow the rules about the allowable number of adults and children on a team.

1. A team has 6 adults and 8 children. Does the team meet all the membership rules of the competition?
2. What is the maximum number of adults allowed on a team?

If helpful, use the coordinate planes in your workbook or graph paper.

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## Data Card 1

- A team without adults is allowed.
- A team with only adults is not allowed.
- If 3 adults are on a team, there must be at least 6 children.
- Each team must have no more than 16 members in total.
- The number of adults must be at most half the number of children on the team.

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## Problem Card 2

Another competition has different membership rules.

1. What is the minimum number of members that a team could have? How many adults and children would be on that team?
2. What is the maximum number of adults allowed on a team?

If helpful, use the coordinate planes in your workbook or graph paper.

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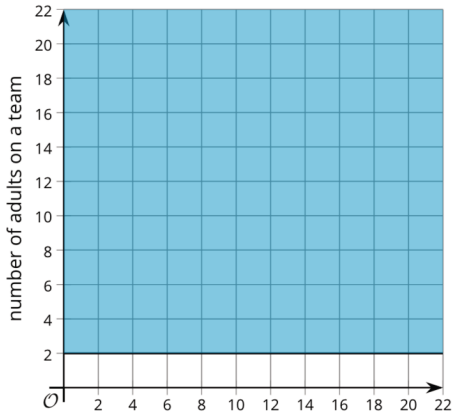
## Data Card 2

- A team with only adults is not allowed.
- A team with only children is not allowed.
- The number of children must be at least 3 times that of adults.
- The total number of people cannot exceed 20.
- This graph represents a rule about the number of adults on a team.

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