Game : Race you to…

Students work in pairs, or two teams of two.

1. Select a Target as the end point of the game. (See Below)

2. When one player (or team) has their turn, they must select a term from one of the given items in the brackets. (See the example below.)

3. The second player (or team) has their turn, they also must select a term from one of the given terms. This is added onto the amount selected by the first player.

4. Player 1 repeats their turn, adding their choice onto the given amount.

5. Player 2 repeats their turn, adding their choice onto the given amount.

6. This process is repeated until a group has successfully achieved the target.

7. If a player, on their turn, believes that the target has been "passed" they can claim victory, unless their opponent is able to show how the target can be reached with addition of the given terms.

Examples

1. $5x + 5y$ $(x, y, x + y)$
2. $6x + 10$ $(x, x + 1, 2, 3x)$
3. $3x + 4y$ $(x, y, x + y)$
4. $5x + 3y$ $(x, y, x + y)$
5. $8x - 5$ $(x, x - 1, -1, -2, 2x + 1)$