# Touchdowns and Field Goals Lesson Plan 

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## The Task

Emma plays in a flag football league where the only two ways to score are via touchdowns, which are worth 7 points, and field goals, which are worth 3 points. In yesterday's game, her team scored eight times. How many points did her team score?

Find all possible solutions.

## Materials

- The task
- Share video clip or pictures of a flag football game
- Large Presentation Paper per group


## Facilitating Task

- Begin by sharing video or pictures of flag football game.
- Read the problem together. Have students retell the problem in their own words.
- Provide individual work time for students to begin finding possible solutions.
- Form small groups (4 students maximum) to compare strategies and solutions. After reaching consensus as a group, record solution and justification on Presentation Paper.
- Each group shares and justifies their solution to the class.
- As groups share, the teacher asks questions to support students in connecting the strategies shared and the mathematical ideas highlighted.


## Misconceptions

- Students may confused by the constraints. Students may add field goals and touchdowns before multiplying or find the total points and not count the number of touchdowns and field goals.
- Students may solve the problem without finding all possible ways.


## Suggested Prompts or Questions

- How does your solution make sense to you?
- How is your strategy similar to another strategy that someone used?
- What do you know about the problem?
- How do you know you have found all possible ways Emma's team could of scored touchdowns and/or field goals?

