

Fun and Games 2: Solutions

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1 Puzzles (~40 minutes)

1.1 Analog Clock (3 pts)

For 4:40, the acute angle should be 100° . You can see solutions for 4:20 here:

https://artofproblemsolving.com/wiki/index.php/2003_AMC_8_Problems/Problem_20

1.2 Spider Pursuit (4 pts)

<https://youtu.be/015ftgEQUjM?si=XsZO-YLMOL17i-JS>

1.3 Around the World (5 pts)

https://youtu.be/dzrwnw0x0fw?si=_PMZg5Bm4SLCdZ2n

1.4 Ants in a Tube (3 pts)

<https://gurmeet.net/puzzles/ant-collisions/>

1.5 Striped Triangle (4 pts)

Problem 6a from the 2023 Euclid Contest.

Problems: https://www.cemc.uwaterloo.ca/contests/past_contests/2023/2023EuclidSolution.pdf

Solutions: https://www.cemc.uwaterloo.ca/contests/past_contests/2024/2024EuclidSolution.pdf