Easy

In Rugby League there are different ways a team can score points, these are shown below with how many points are gained:

- Try – 4 points
- Conversion (only after a try) – 2 points
- Field Goal – 1 point
- Penalty Kick – 2 points.

In the first State of Origin game last year the score was 11-10 with Queensland winning by 1 point. What are all the possible ways that these scores could have been achieved with the rules above?

Medium

The Cowboy’s football field (1300SMILES Stadium) is in need of new paint markings. A diagram is provided below for the size and location of the required markings.

![Diagram of football field](image)

a) If you need 1L of paint for every 10m of line marking, how much paint is required to paint new lines for the field?

b) Two companies provide suitable paints:
   - Company A charges $10 per litre of paint.
   - Company B charges $10.15 per litre of paint, but will give you a bonus 2L if you order 100L or more.

Which company do you order your paint from?
Hard

In the last season the Cowboys scored 119 tries, use the following statements to work out how many tries each of these players scored

- Ethan Lowe and Johnathan Thurston scored the same amount of tries.
- Antonio Winterstein scored twice as many tries as Ethan Lowe and Johnathan Thurston together.
- Michael Morgan scored one try less than Antonio.
- The rest of the team together scored 80 tries.