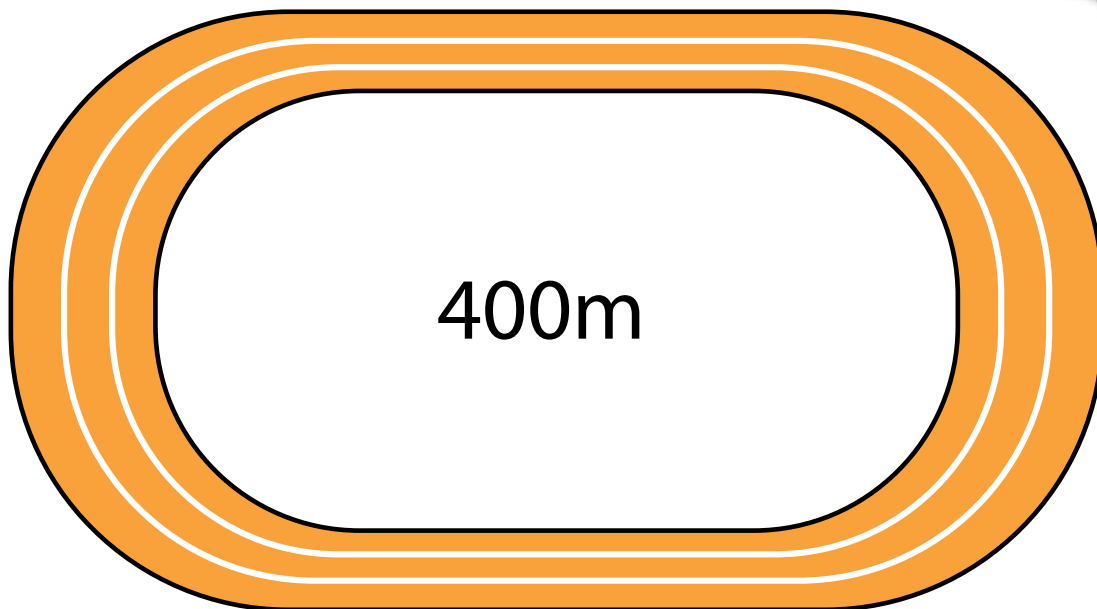


1. Rugger and Fred are doing some training. They decide to have a race over 500 metres. Rugger runs 20 seconds per 100 metres and Fred runs 15 seconds per 100 metres. So Fred decides to give Rugger a head start of 30 seconds.

- a. Will Fred catch Rugger? Explain your answer.
- b. How far apart will they be after 1min?



2. How many times around the track will Rugger need to run to complete his 2km run?
3. If Rugger decides to run up and down the rugby field, how many lengths will he need to run to complete 2km? (Assume the length of this field is 140m, including dead ball line)

