



MPL

MIXED PREMIER LEAGUE

A LEAGUE WITH A DIFFERENCE

SESSION 5 – JUSTIFYING

CHOICES

SESSION OBJECTIVE: TO DEVELOP MATHEMATICAL REASONING.

Three teams are taking part in the heats of a $4 \times 100\text{m}$ relay race competition on Sports Day. If the mean average time of the four runners in a team is less than 30 seconds, the team will be selected for the finals.

At the start of the last leg of the relay race, the times (in seconds) of each teams' first three runners are:

Team Peacock: 27, 29, 31

Team Farah: 45, 43, 37

Team Ennis: 29, 30, 25

Which of the teams have the best chance of being selected?
Explain your reasoning.





WHO HAS THE BEST FOOTBALL TEAM?

Who is the best footballer in your team?

How can we use maths to answer this question?



Player
Karen Bardsley



Position:
Goal Keeper

Year of Birth:
1984

Cost:
14,500,000

Nationality
 English

Yellow cards:
1

Injury days
17

Gender
Female


Clean sheets:
5

6 2 1
Wins Draws Losses



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Player
Angus Gunn



Position:
Goal Keeper

Year of Birth:
1996

Cost:
5.9 million

Nationality
 English

Yellow cards:
2

Injury days
48

Gender
Male

Clean sheets:
3

1 2 6
Wins Draws Losses



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Karen is 36 years old, whereas Angus is 24 years old. Karen has more experience as she is older, however Angus is younger so has more energy.



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Karen has only had 17 injury days compared to Angus 48 injury days. What could this mean?



Your task:

For each of your players, you need to come up with three positives and one negative.

Player
Virgil van Dijk



Position:
Defender

Year of Birth:
1991

Cost:
£15.7 million

Nationality
Dutch

Yellow cards:
3

Injury days:
22

Gender
Male

Tackles won:
9

Wins: 8 | Draws: 1 | Losses: 0

Virgil van Dijk

- + He is older so he therefore has lots of experience.
- + He has not conceded many goals.
- + He has not lost a game.
- He is very expensive

