Functional Skills Maths | Level 2
Walking Football

1. Eamonn is a goalkeeper. When facing a penalty kick, he has three options. The probability of each option is shown below.

Dive Left	Doesn't Move	Dive Right
0.3	0.2	0.5

In the match he faces **TWO** penalties. What is the probability he will dive right for both of them?

2. Jackie and Simone are managers of the team. Jackie keeps notes on the number of fouls per player.

Steve	Frank	Rich	Matt	Pete	Neil	Laurence
5	12	5	8	2	7	9

Jackie thinks the average number of fouls is 5.

Simone thinks the average number of fouls is 7.
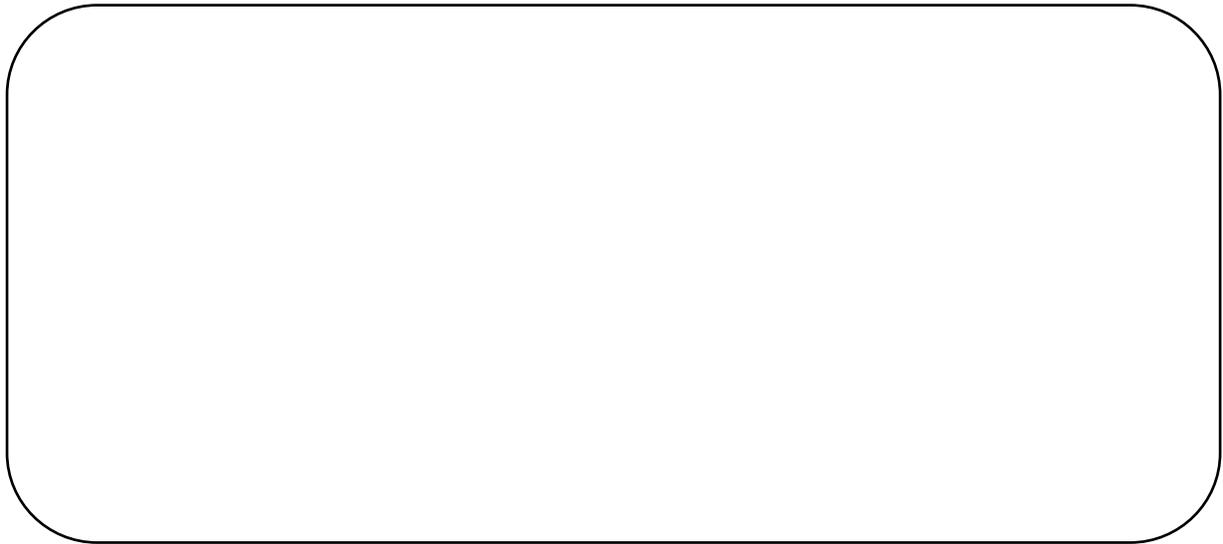
Show how they both can be correct.

3. Rob and Mac are the two strikers in the team.

In the last tournament, Rob had 14 shots and scored 3 goals, while Mac had 9 shots and scored 2 goals.
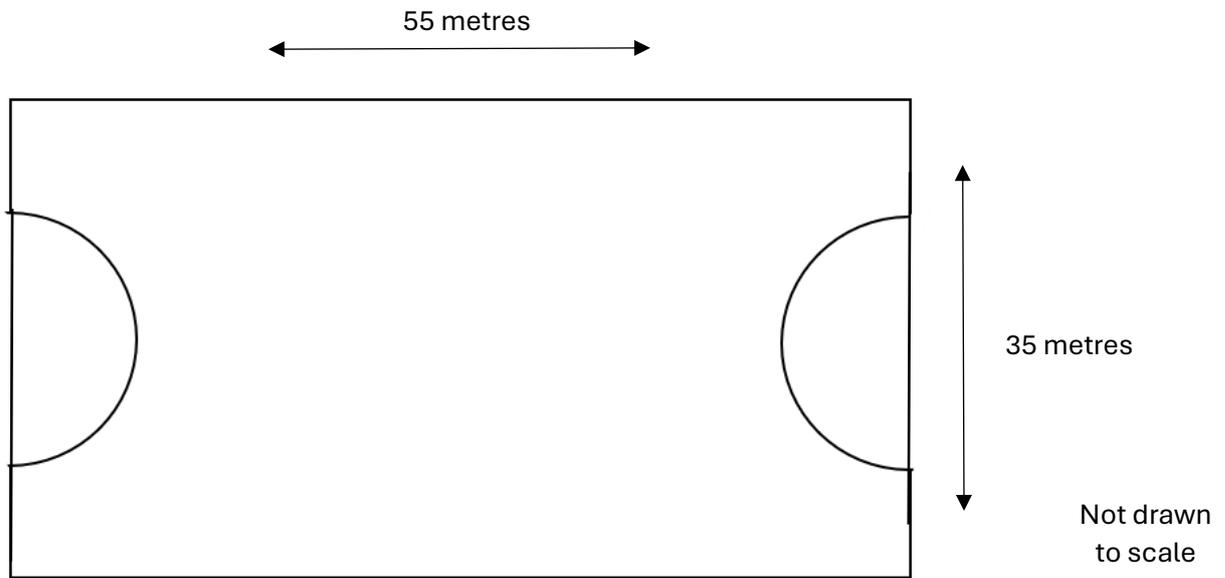
Rob believes he had a better percentage success rate.
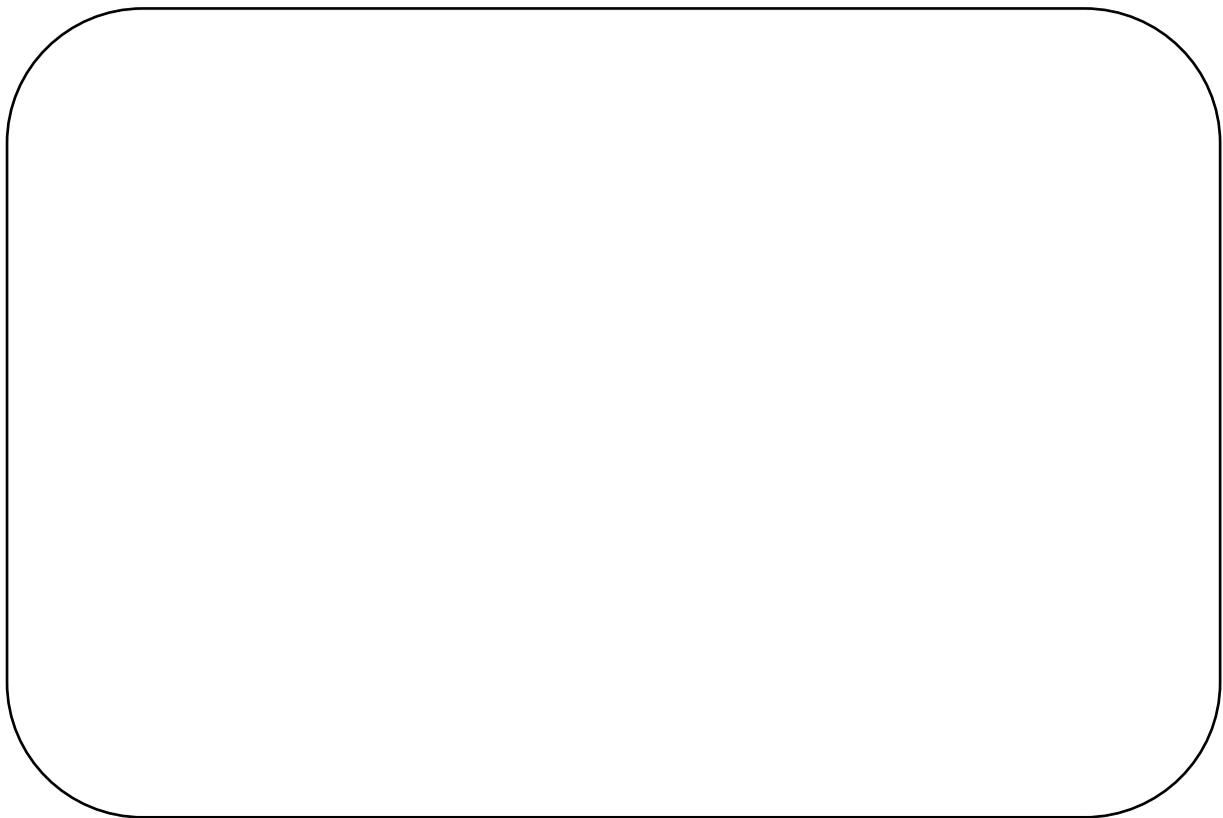
Is he correct?

Show why you think this.

4. Below is the layout of a walking football pitch, with two penalty areas.

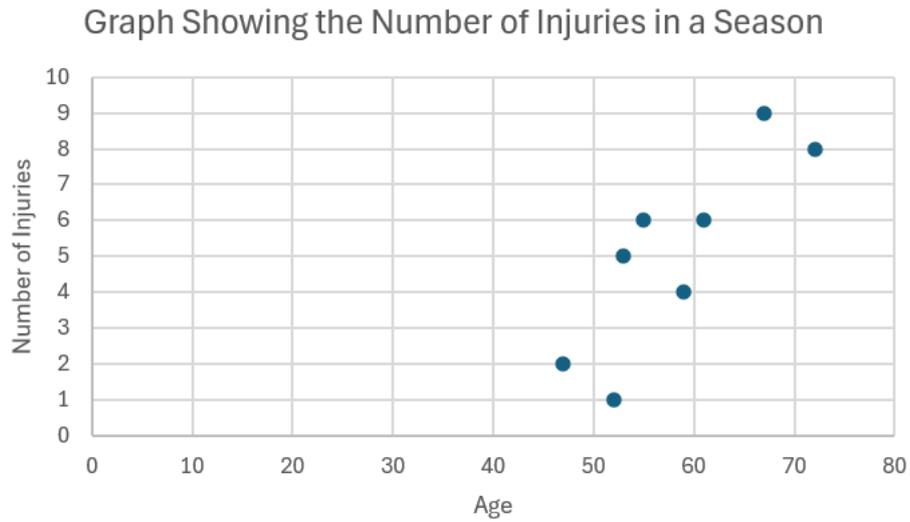55 metres

35 metres

Not drawn to scale

No outfield players, except the goalkeepers are allowed in the penalty areas at any time.

The diameter of each penalty area is 12 metres.

What is the area of the pitch the outfield players can use?

5. The following graph shows the number of injuries during the last season for some of the players.

Graph Showing the Number of Injuries in a Season

a. Insert a line of best fit.
b. Roger, who is 65, has joined the team. Use the graph to predict the number of injuries he might have in the next season.

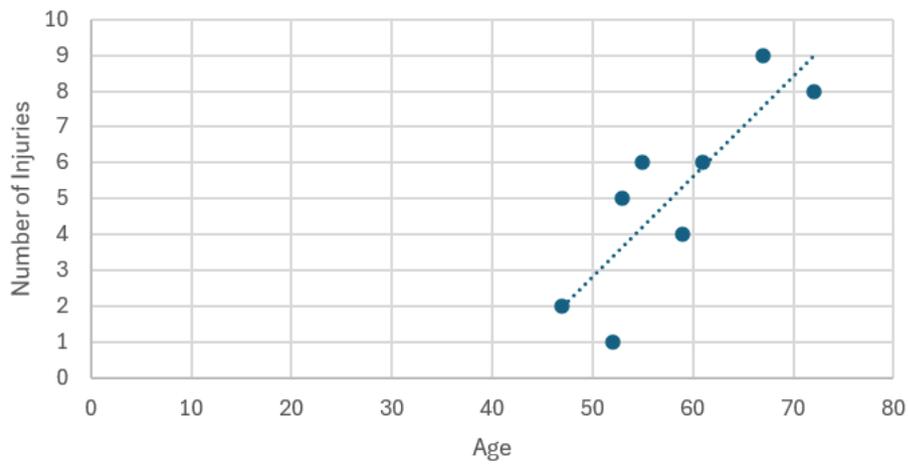c. Describe the correlation in the graph.

Answers

1. 0.25

2. Mode is 5, Median is 7

3. No, Rob 21.43%, Mac 22.22%

4. 1810.96m^2

5a.

Graph Showing the Number of Injuries in a Season

b. 7.5

c. positive (accept any reasonable variation on this.