

Psychic Pets Predict World Cup Winners

A pet is shown three toys, one that represents team A winning, one that represents team B winning and one that represents a draw. The pet makes its prediction for the outcome of the game by the toy it chooses.



Django the Dog predicts the result of the England V Tunisia game.

Predict Group G games

- 1) Each group has 4 teams in it, where each team plays every other team. Your pet is going to make a prediction for every game in England's group (Group G). How many predictions do they make?
- 2) How many pets would you need to have so every possible combination of outcomes for the Group G games is covered? (Assume that every pet predicts a different combination of outcomes).

Predict all group stage games

- 3) There are 8 groups in the whole tournament. Your pet is going to make a prediction for every game in every group. How many predictions do they make?
- 4) Again, assuming every pet predicts a different combination of outcomes: how many pets would you need to cover every possible combination of outcomes for all the group stage games?

The knock-out stage follows the group stage. In knock-out games there are no longer any draws. Use the World Cup Fact Sheet to find out more about the knock-out stage for the next two questions.

Predict the whole tournament

- 5) How many pets would you need to guarantee one will predict the whole tournament correctly?

Predict England's World Cup

- 6) How many possible World Cup journeys can England have?

