

Numeracy task 2

Mini beast foot ball tournament

The first ever mini beast 5 a side football tournament is being held in Japan this month, there are 4 teams: beetles, spiders, woodlice and centipedes. Each team has 5 players and 3 substitutes. As kits sponsor, Mr. Nikey is generously providing all the boots for the players, Tad (the referee provides his own boots). If beetles have 6 legs, spiders 8, woodlice 10 and centipedes 40 legs, work out for each of the games below the answers to the problems, showing your workings.

1. The beetles beat the woodlice 3-2 in a close match but how many boots did Mr. Nikey supply for the game (including substitutes)?
2. A) How many boots did Mr. Nikey need altogether for the spiders versus centipedes game?
B) After a bad tackle one of the centipedes retaliated during the match and swallowed 3 of the other team captain's legs. How many boots did Mr. Nikey back?
3. A) How many boots were needed for the woodlice versus centipedes game?
B) The centipedes goalkeeper argued with the referee following a bad penalty decision and was dismissed (in other words eaten) so how many boots were returned at the end of this game?
4. How many boots have been eaten so far in the tournament?
5. All 8 beetles were eaten by a group of rowdy lizards (who were promptly arrested) during a pitch invasion at the start of the game with the spiders, how many boots were lost and how many returned to the changing rooms?
6. How many boots were supplied for the whole tournament and how many were lost?