Year 6 Extension Maths Word Problems Week 3 Term 4

1. The table shows the scores fo the first round of matches of the basketball season for the local league.

TEAM	SCORE	SCORE	TEAM
KANGAROOS	43	68	JAGUARS
WALLABIES	77	67	KIWIS
WALLAROOS	91	96	LIONS
ECHNIDAS	68	83	DANDELIONS

Two points are awarded for a win, one point for a draw and none for a loss. When points are equal, teams are ranked by their winning or losing margin. Teams are awarded a bonus point if their winning margin exceeds 10% of their points scored.
How are the teams ordered in the league table after the first round and what is the winning/losing margin for each team? Which teams qualify for a bonus point?

2. The table shows the number of children from 11 classes who gave up their pocket money everyday for one week instead fo buying their favourite snack. Each snack costs the same amount. Three classes did not take part in the fundraiser.

Snack	MON	TUES	WED	THUR	FRI
chocolate	12	3	21	6	24
sweets	27	12	3	15	6
chips	21	23	9	12	26
biscuits	9	6	27	24	3
cake	3	15	15	9	21

Write the days in order from the greatest to the least amount of money raised.
If there are the same number of children in each class, how many children did not take part in the fundraiser?

3. The children in Year 6 are going on an excursion to the cinema. Tickets for 64 children and 8 staff have been booked in seats 1 to 12, rows A to F.
In which seats muts the teachers sit so they are spread equally among the children and how many children will each teacher have to look after?
What is the probability, written as a decimal, of a child having to sit next to a teacher?