

Chapter 5 – Rich task 2 - Coaches do the maths

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Coaches do the maths

- Coaches and managers of sports teams, such as rugby, basketball and cricket often use percentages to compare individual and team performances.
- Use the information given in the tables below to calculate some percentages to find out how well the team and individual players are performing **both** in the team **and** in comparison to the previous season.

Example

- The percentage of points gained from tries, conversions, and penalties.
- The number of points players scored as a percentage of the total.
- The percentage of players who scored higher than a given number of points.
- Collect some data **either** about a team that you follow **or** a school team and calculate some percentages that might be useful for the coach.



For cricket, rugby or netball information you could search on the internet using 'cricket data nz' or 'rugby data nz' or 'netball data nz'.

Rugby

Raiders 2011					
Game	1	2	3	4	5
Score (for - against)	29-36	45-34	22-42	33-11	49-40
Tries (5 points)	4 - 5	6 - 4	1 - 5	5 - 1	6 - 5
Conversions (2 points)	3 - 4	6 - 4	1 - 4	4 - 0	5 - 3
Penalties (3 points)	1 - 0	1 - 2	4 - 3	0 - 1	3 - 2
Field goals (3 points)	0 - 1	0 - 0	1 - 0	0 - 1	0 - 1

Individual players' total points for games 1 to 5, 2011

Victor	21
Sua'alu	45
Regan	31
Josh	22
Bengy	19
Sam	40

Raiders 2012					
Game	1	2	3	4	5
Score (for - against)	54-25	43-42	17-27	31-44	62-22
Tries (5 points)	8 - 3	6 - 6	2 - 3	4 - 6	8 - 2
Conversions (2 points)	4 - 2	5 - 3	2 - 3	4 - 4	8 - 0
Penalties (3 points)	2 - 2	1 - 1	1 - 2	0 - 2	2 - 3
Field goals (3 points)	0 - 0	0 - 1	0 - 0	1 - 0	0 - 1

Individual players' total points for games 1 to 5, 2012

Victor	31
Sua'alu	57
Regan	33
Josh	33
Bengy	35
Sam	18

Netball

Game 1 Final score – Fantails 62 - Tuis 84

Marama's shots on goal for the Fantails	Shots on goal/successful shots	Marama's Score	Claire's shots on goal for the Tuis	Shots on goal/successful shots	Claire's Score
First quarter	19/9	9	First quarter	21/19	19
Second quarter	16/14	23	Second quarter	18/16	35
Third quarter	15/13	36	Third quarter	18/15	50
Fourth quarter	18/12	48	Fourth quarter	18/18	68

Game 2 Final score – Fantails 78 - Tuis 56

Marama's shots on goal for the Fantails	Shots on goal/successful shots	Marama's Score	Claire's shots on goal for the Tuis	Shots on goal/successful shots	Claire's Score
First quarter	17/9	9	First quarter	15/13	13
Second quarter	18/16	25	Second quarter	14/10	23
Third quarter	14/11	36	Third quarter	15/9	32
Fourth quarter	15/12	48	Fourth quarter	16/11	43