



1. **A field umpire runs** on average 10 - 15 kilometres when officiating an AFL game. Eleni Gloftsis is expected to umpire her second game next week in Round 10

If she runs 10 kilometres a game how many kilometres will she have run in her first two games?

Games		Kilometres		Total
	x		=	

If she runs 12.5 kilometres a game, how many kilometres will she have run in her first two games?

Games		Kilometres		Total
	x		=	

If she runs 15 kilometres a game, how many kilometres will she have run in her first two games?

Games		Kilometres		Total
	x		=	

2. **The AFL already** has three female umpires in its ranks with Chelsea Roffey, Rose O'Dea and Sally Boud. They are goal umpires. Over the past two seasons Eleni Gloftsis has umpired 33 VFL matches.

If she runs 10 kilometres a game how many kilometres will she have run in her 33 games?

Games		Kilometres		Total
	x		=	

If she runs 12.5 kilometres a game, how many kilometres will she have run in her 33 games?

Games		Kilometres		Total
	x		=	

If he runs 15 kilometres a game, how many kilometres will she have run in her 33 games?

Games		Kilometres		Total
	x		=	

3. In Round 8 James Kelly formerly of Geelong and now playing with Essendon played his 300 AFL game. If he has played 27 games for Essendon, how many games did he play for Geelong?

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Let's look at this match

Team	1 st quarter	2 nd quarter	3 rd quarter	4 th quarter	Total score
Essendon	6.2	9.4	14.7	17.8	
Geelong	1.5	3.8	7.9	13.15	

Who won the match?	What was the winning score?	After half time which team scored the most?

In Round 8 two teams scored 110 points. Port Adelaide (30 shots for goal) and Essendon (25 shots for goal). You know Essendon's score. What did Port Adelaide score?

Goals	Points	Essendon		Port Adelaide	
		# Shots	Score	# Shots	Score
20	120	25	110	30	110
19	114	$(17 \times 6) = 102 + (8 \times 1) = 110$			
18	108	$17 + 8 = 25$ shots			
17	102				
16	96	Final Score	17.8	Final Score	

In Round 9 two teams scored 104 points. Their scores were different. What was Geelong's score if they had 24 shots for goal? What was North Melbourne's score if they had 29 shots for goal?

Goals	Points	Geelong		North Melbourne	
		# Shots	Score	# Shots	Score
17	102	24	104	29	104
16	96				
15	90				
14	84				
13	78	Final Score		Final Score	

4. **Free Kick Count:** You often hear spectators complain about the opposition getting more free kicks. What has happened in 2017?

Rank	Team	Games	Total Number Free Kicks	Average Free Kicks per Game
1	North Melbourne	9	191	$191 \div 9 = 21.22 = \text{approx. } 21$
2	Brisbane	9	187	
3	Western Bulldogs	9	184	
4	Carlton	9	169	

5	Geelong	9	168	
6	Fremantle	9	167	
7	Essendon	9	163	
8	Adelaide	9	162	
9	Melbourne	9	162	
10	St Kilda	9	162	
11	West Coast	9	162	
12	Port Adelaide	8	159	$159 \div 8 = 19.88 = \text{approx. } 20$
13	Richmond	9	158	
14	Sydney	9	158	
15	GWS	9	151	
16	Hawthorn	9	150	
17	Collingwood	9	147	
18	Gold Coast	8	139	

North Melbourne has more free kicks than Collingwood. How many more free kicks?	In this list of total number of free kicks one number is exactly divisible by 9. What number is it?	What team has the lowest average of free kicks per game?

5. In Rounds 8 and 9 some of teams scored over 100 points. Here are some examples. Fill in the rest of the table. *Remember to work out goal scoring efficiency take the number of goals scored and divide them by the number of shots at goal (goals+points).*

Round	TEAM	SCORE	TOTAL POINTS SCORED	GOAL SCORING EFFICIENCY
8	Sydney	18.12	$(18 \times 6) = 108 + 12 = 120$	$18 \div 30 = 0.60$ or 60%
8	Melbourne	17.5		
8	GWS	15.12		
8	Hawthorn	17.11		
9	Essendon	19.11		
9	Adelaide	21.14		

6. Leading goal kickers after 9 Rounds , *To work out goal kicking efficiency take the total number of goals and divide them by the number of shots at goal (goals+points)*

Player	Team	Goals	Total score	Shots for goal	Goal kicking efficiency
Josh Kennedy	West Coast	31	31.21	52	$31 \div 52 = 59.6$ or 60%
Jeremy Cameron	GWS	31	31.15		
Eddie Betts	Adelaide	28	28.9		
Lance Franklin	Sydney	27	27.21		
Tom Hawkins	Geelong	27	27.10		
Ben Brown	North Melbourne	26	26.11		
James Daniher	Essendon	26	26.18		
Jack Riewoldt	Richmond	25	25.14		

Which player has the best goal kicking efficiency?	Lance Franklin and Tom Hawkins are averaging 3 goals per game. If they keep this up how many goals will they score in the 22 Rounds of AFL season 2017?

7. Look at the Premiership top 8 and see if there has been any changes between Round 5 and Round 9, use arrows to show changes.

Position	Round 5	Round 9
1	Adelaide Crows	Adelaide Crows
2	Geelong	GWS
3	Richmond	Geelong
4	GWS Giants	West Coast
5	Western Bulldogs	Fremantle
6	Port Adelaide	Port Adelaide
7	West Coast	Richmond
8	Essendon	West Bulldogs

8. Round 10 important matches

TEAMS		Position in Ladder		Stadium	Prediction
Geelong	Port Adelaide	3rd	6th	Simonds	
Western Bulldogs	St Kilda	8 th	9 th	Etihad	
Richmond	Essendon	7 th	10th	MCG	
Adelaide	Fremantle	1st	5th	Adelaide Oval	
West Coast	GWS	4 th	2 nd	Domain	

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