

AFL Footy Maths Round 20

What an interesting Round of AFL Football. Three teams Geelong, West Coast and Brisbane are all equal with 56 points in the Premiership Ladder. They are separated by percentage. All will be trying to win over the next 3 weeks to obtain either 1st or 2nd on the Premiership Ladder to give them a home final. Read on and solve some problems and calculate some answers.

- The Premiership Ladder after Round 20. Fill in the points column. Remember 4 points for a win and 2 points for a draw. Fill in the table

Position	Team	Played	Won	Lost	Drawn	Points
1st	Geelong	19	14	5	0	14 x 4 = 56
2nd	West Coast	19	14	5	0	
3rd	Brisbane	19	14	5	0	
4th	Richmond	19	13	6	0	
5th	GWS	19	12	7	0	
6th	Collingwood	19	12	7	0	
7th	Essendon	19	11	8	0	
8th	Adelaide	19	10	9	0	
9th	Port Adel	19	9	10	0	
10th	W Bulldogs	19	9	10	0	
11 th	Fremantle	19	9	10	0	

- Do you know the reason why 11 teams were listed in the Premiership Ladder?

Congratulations to Sean Burgoyne (Hawthorn) who played his 373th AFL games in Round 20 , the most ever for an Indigenous footballer, and while the 36-year-old is in his 18th season, he has stated his intention to play on in 2020. I wonder how many games he will finish up playing. Sean Burgoyne has played for both Port Adelaide and Hawthorn in his career.

- If he has played 216 games with Hawthorn, how many did he play for Port Adelaide?

$$373 \quad - \quad 216 \quad = \quad \underline{\hspace{2cm}}$$

- Biggest upset in Round 20 came in the Game between Fremantle and Geelong. After Round 19 Fremantle were sitting in 12th position and Geelong were sitting in 1st in the Premiership Ladder. Let's see what happened in this match

Teams	Q1	Q2	Q3	Q4	Total
Fremantle	2.4	6.7	9.8	14.11	
Geelong	5.1	6.4	8.6	9.7	

- Who won the match?
- What was the winning margin?
- When you add the two scores together what is the total kicked by both teams?

4. In another game a team outside the top eight was the match played in Melbourne between Essendon 7th and Port Adelaide 10th. What happened in this match?

Teams	Q1	Q2	Q3	Q4	Total
Essendon	2.4	5.7	8.10	9.13	
Port Adel	5.2	8.5	14.9	19.12	

(i) Who won the match?

(ii) What was the winning margin?

(iii) When you add the two scores together what is the total kicked by both teams?

5. In another important match West Coast travelled to Melbourne to play Carlton. Since the mid-season bye Carlton had won 4 out of their last 5 matches. West Coast also had won 4 out of their last 5 games. So the game was set for two teams who were in form. What happened in this match?

Teams	Q1	Q2	Q3	Q4	Total
Carlton	4.1	6.3	8.6	11.9	
West Coast	2.5	9.5	14.7	15.9	

(i) Who won the match?

(ii) What was the winning margin?

(iii) When you add the two scores together what is the total kicked by both teams?

6. Only two teams kicked over 100 points in Round 20. Port Adelaide achieved this in the game against Essendon. Collingwood also achieve over 100 points in the game against Gold Coast at the MCG.

Teams	Q1	Q2	Q3	Q4	Total
Collingwood	4.4	10.6	16.8	18.12	
Gold Coast	3.2	5.2	6.3	8.3	

(i) Who won the match?

(ii) What was the winning margin?

(iii) When you add the two scores together what is the total kicked by both teams?

7. In looking at these four matches:

(i) Who won the match?

(ii) What was the winning margin?

(iii) When you add the two scores together what is the total kicked by both teams?

(iv) Which match had the highest total kicked by the two teams?

8. The competition for Leading Goal kicker in 2019 is getting closer. Let's look at how Coleman Medal is going.

Player	Team	Total goals	Total score	Shots for goal	Goal kicking efficiency
Jeremy Cameron	GWS	57	? goals 40 behinds	97	$57 \div 97 = 0.58$ or 58%
Ben Brown	Nth Melb	52	? goals 29 behinds		
Tom Hawkins	Geelong	50	? goals 21 behinds		
Tom Lynch	Richmond	48	? goals 25 behinds		
Jack Darling	West Coast	47	? goals 17 behinds		
Charlie Cameron	Brisbane	41	? goals 25 behinds		
Josh Kennedy	West Coast	40	? goals 23 behinds		

(i) Which player has the best goal kicking efficiency?

(ii) Which player in the top seven has the poorest efficiency?

(iii) Who has kicked the highest total score for the 2019 season so far?

(iv) Which player has the greatest number of shots for goal?

(v) Predict who you think will win the Coleman medal?

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