

# AFL Math Challenge Task Card

## Data (ACMSP096)

Choose one AFL team to research.

How has their season been so far?

Record the data for others to view.

Ideas include graphing the wins and losses for each team, graphing the teams total score for each game or even the number of goals and behinds kicked in each game.

Data display ideas include tables, column graph or picture graphs.

## Time (ACMMG086)

AFL games have four quarters.

Each quarter is 20 minutes long.

At the end of the 1st and 3rd quarter, there is a six-minute break.

At half time, there is a twenty-minute break.

1. How long does a game of AFL last?
2. If a game starts at 10a.m., when will it finish?
3. If a game starts at 4:00p.m., when will it finish?
4. If a game finished at 6:52p.m., when did it start?

## Word Problem (ACMNA082)

A goal is worth six points.

During a game between Essendon and Carlton the scores were as follows.

1<sup>st</sup> quarter = E. 5 goals/ C. 3 goals

2<sup>nd</sup> quarter = E. 4 goals/ C. 5 goals

3<sup>rd</sup> quarter = E. 3 goals/ C. 1 goal

4<sup>th</sup> quarter = E. 3 goals/ C. 2 goals

What is the total score for each team?

## Odd & Even Data (ACMNA071, ACMSP096)

Choose one team to research.

Make a tally of how many odd and even numbers are represented as player numbers.

Display your data.

Data display ideas include tables, column graph or picture graphs.

## Calculate (ACMNA076)

A goal is worth six points.

Research the top goal kickers for one AFL team.

Record their names and how many goals they have kicked during five separate seasons.

Calculate the total amount of points that they have gained for their team.

Add the total amount of goals together.

Add the total points together.

## Data (ACMSP096)

Find out how many different ovals are used in Australia to play official AFL games.

Present your data and answer these questions.

1. How many ovals are there in each state/territory?
2. What is the total capacity of each oval (how many spectators can it hold)?

# AFL Math Challenge Task Card Answers

Data (ACMSP096)

**Teacher to correct**

Time (ACMMG086)

1. How long does a game of AFL last?  
**1 hour and 52 minutes**
2. If a game starts at 10a.m., when will it finish?  
**11:52a.m.**
3. If a game starts at 4:00p.m., when will it finish?  
**5:52p.m.**
4. If a game finished at 6:52p.m., when did it start?  
**5:00p.m.**

Word Problem (ACMNA082)

A goal is worth six points.

During a game between Essendon and Carlton the scores were as follows.

1<sup>st</sup> quarter = E. 5 goals **(30)** / C. 3 goals **(18)**

2<sup>nd</sup> quarter = E. 4 goals **(24)** / C. 5 goals **(30)**

3<sup>rd</sup> quarter = E. 3 goals **(18)** / C. 1 goal **(6)**

4<sup>th</sup> quarter = E. 3 goals **(18)** / C. 2 goals **(12)**

What is the total score for each team?

**Essendon = 90 points**

**Carlton = 66 points**

Odd & Even Data (ACMNA071, ACMSP096)

**Teacher to correct**

Calculate (ACMNA076)

**Teacher to correct**

# AFL Math Challenge Task Card Answers

Data (ACMSP096)

Find out how many different ovals are used in Australia to play official AFL games. **15**

1. How many ovals are there in each state/territory?

**Vic. = 4, N.S.W = 2, Qld. = 3, N.T = 2, S.A  
= 1, W.A = 1, Tas. = 2, A.C.T = 1**

2. What is the total capacity of each oval (how many spectators can it hold)?

**MCG = 100 024**

**Eithad Stadium = 56 347**

**Adelaide Oval = 53 583 SCG = 48 000**

**Domain Stadium = 42 922 BCG = 42 000**

**Simonds Stadium = 36 000**

**Metricon Stadium = 25 000**

**Spotless Stadium = 25 000**

**University of Tasmania Stadium = 20 000**

**Blundstone Arena = 20 000**

**UNSW Canberra Oval = 15 000**

**TIO Stadium = 12 000**

**Cazaly's Stadium = 12 000**

**Eureka Stadium = 11, 000**

**TIO Traeger Park = 10 000**