

Mathematics is important in every sport. These questions will help you find some of it. Later you might like to explore the material on the NSM website that gives you much more detail.

INSTRUCTIONS

Choose any question from the list above.

Find the answer below. Write the letter for the answer in the box below that has the question number.

In this way complete the sentence on the Answer sheet.

Area	Questions
2 MCG display	a How many pies were sold to the AFL's 2007 Grand final crowd? b How many pies were sold to the cricket crowd on day 1 of the 2006 Boxing Day test? Extension: How many more pies were sold to the cricket crowd than the AFL? Why?
15 Golf	a Who is known as "The Great White Shark"? b For how many weeks in a row was he 'world #1 golfer'? c How much money did he earn?
8 Tennis	a For what is Rod Laver especially famous? (Not just the Tennis Centre! b Who won more Grand Slam titles in one season than any other Australian player? How many? c Who won more Grand Slam titles than any other Australian man? How many? d Who won more Grand Slam titles than any other Australian woman. How many?
4 Olympics	Watch the video of Betty Cuthbert running 100 m in the 1956 Olympics. a Where was this held? b What was her time for the 100 m? Take a photo of her statue outside. Extension: What was her speed?
17 Soccer	a What was the date of the first soccer game in Australia? b Which Australian team played in a quarter final of the Soccer World Cup in China in 2007?
11 Cricket	a How many batsmen did Shane Warne have dismissed in Test matches? b How many runs were scored from his bowling in those Test matches? Extension: What was his Test bowling average? Did he ever bowl a hat-trick?
10 Cricket	a How many runs did Sir Donald Bradman make in test cricket? b How many times was he dismissed in test matches? c What was his average in test matches? d What was his lowest and highest scores?
7 AFL Hall of Fame	Gordon Coventry kicked the greatest number of goals in his lifetime. a How many goals did he score? b How many seasons did he play? c How many games did he play? Extension: What was his average number of goals: per season, and per game?
1 MCG display	a When was the greatest ever crowd at the MCG? b How big was it? For what event? Extension: The biggest crowd for a Test match was 90,800. When was this?
9 Sport Hall of Fame	Which sport has the greatest number of inductees in the Hall of Fame?

- 3 Olympics Edwin Flack won Australia's first Olympic medal.
a In which event?
b In what year?
Extension: He ran the 800 m in 130 s. The current world record is 1 min 41 sec.
How many seconds faster is this? Estimate the current record as a percentage of Flack's time.
- 5 Olympics a Who was Australia's youngest Olympic gold medal winner?
b Who was Australia's oldest Olympic gold medal winner?
Extension: What is the difference in their ages?
- 18 Swimming a Who was the first woman ever to swim 100m faster than one minute?
How many world records did she hold?
b Who was called Madame Butterfly, and was the first Australian woman to swim 100m butterfly under one minute? When did she win gold in the Olympics?
- 12 Athletics a John Landy was Governor of Victoria in which years?
b When did he break the world mile record?
c What was his time?
d View the movie of the National titles in 1956. See what happened near the end.
How many seconds did Landy lose before winning the race?
Extension: How fast does a runner go for a 4-minute mile?
- 6 AFL Has there ever been a draw in a Grand Final? When? Which teams were involved?
Extension: How many draws have there been altogether?
- 16 Horse racing a Which jockey won 3251 wins, including the Caulfield Cup five times?
b Whose skeleton is on display? When did he win the Melbourne Cup?
c When did Pharlap win the Melbourne Cup?
- 13 Basketball a Who are the Boomers? When did they play in their first Olympic Games?
b Who are the Opals? When did they first play in the Olympics?
c Who are the Rollers? When did they first play in the Olympics?
- 14 Cycling a When did Cadel Evans win the Tour de France?
b How long was that Tour de France?
c When did Hubert Opperman live?
d How old was he when: he won his first bike? he rode his last race?

Answers

- A Footy 14 212 pies, Cricket 24 278 pies (7066, longer cricket day)
- B Greg Norman, 331 weeks, \$10 million in prize money.
- C 299 goals, 18 seasons (1920 to 1937) for 72 goals per season. 306 games, 4.25 goals per game
- D Dawn Fraser held 39 world records. Susie O'Neill, 1996 and 2000.
- E Sandra Morgan aged 14, Bill Northam aged 59, 45 years
- G The 2011 Tour de France was 3420 km. 1904-1996, 17, 90
- H Melbourne, 11.45 s, $8.73 \text{ m/s} = 31.4 \text{ km/h}$
- I Three: 1948 (Melbourne and Essendon), 1977 (Collingwood and North Melbourne) and 2010 (Collingwood and St Kilda)
- M 130 000 in 1959, Billy Graham Crusade (religious)
- N Boomers (National Men's Basketball team) 1956, Opals (National Women's Basketball team) 1984, Rollers (National Paralympic Basketball team) 1986
- I Laver won two complete Grand Slams, Lesley Bowrey, Roy Emerson 28, Margaret Court 13
- O 708, 17,995, average 25.4, Yes, he dismissed three batsmen in three consecutive balls.
- P 996, 70, 99.94, 0 and 452 not out
- R 2001 to 2006. 1953, 3:58.0, loss of 5 seconds, 15 miles per hour = 24 km/h.
- S Aquatics (50 in 2015)
- T 800 m., 1896, 29 seconds, 78%
- U 1880, The Matildas - the Australian National Women's Soccer team.
- V Arthur 'Scobie' Beasley, Carbine won the Cup in 1890, Pharlap in 1930.

In these boxes, write the letter for the answer next to the question number.

1	2	3	4	5	1	2	3	6	7	9		17	9	5	18		6	13		9	10	
11	12		6	9		6	9	2	15	11	16	5		2	16	5	12	2	14	5	8	