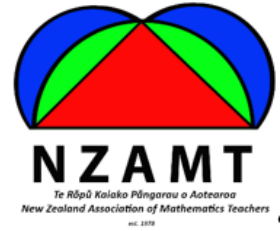


# Maths Week/Pāngarau Wiki 2025



## Daily Dollar/Ko te Tāra o te Rā

### Bill Ellwood Memorial Series

This series is a tribute to Bill Ellwood, who wrote much of the Maths Week material from 2006 to 2019. Bill passed away in June 2021.

## Set D Day 2

### For students



#### WHAT TO DO FOR STUDENTS

- 1 You may work on your own or with someone else, and your teacher or someone else can help you.
- 2 Answer the questions.
- 3 Each question has a dollar value. Each day's questions total \$100 in value.
- 4 When you have answered the questions, your teacher will give you the answers.
- 5 If you are right, you will get the dollar value for each question. You then you can work out how many dollars you have earned for the day.
- 6 Add the number of dollars you have earned each day in the Daily Dollar questions and get a total for the week. Then you can compare your total for the week with others in your class.
- 7 Perhaps your teacher may award a prize for the highest total for the week!
- 8 Good luck!

## WOMEN'S RUGBY WORLD CUP 22 August to 27 September 2025

### Question 1 (\$30)

The women's rugby world cup is being held in England. England is part of Great Britain. Great Britain has three countries, England, Wales and Scotland. Information about the three countries is given in the table below. Complete the table using the information in the table to find:

- The land area of each country to the nearest thousand square kilometres.
- The percentage of the total land area for Great Britain each country is.

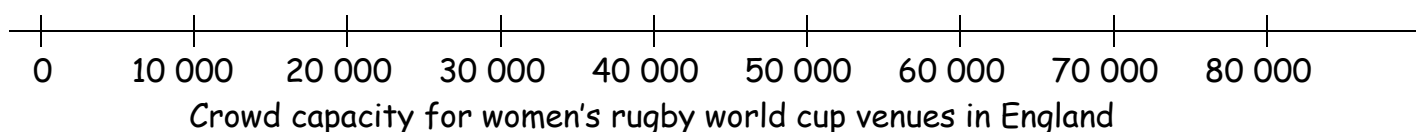
Country	Land area (km <sup>2</sup> )	Land area rounded to the nearest thousand km <sup>2</sup>	Percentage of total land area
England	130 310		
Wales	20 737		
Scotland	77 901		
Total	228 948		100%

### Question 2 (\$30)

The table below contains data about the venues for the women's rugby world cup games.

Name of venue	Crowd capacity	Number of games/matches
Brighton & Hove	31 800	2
Bristol	26 387	4
Exeter	15 000	7
London	82 000	2
Manchester	11 404	4
Northampton	15 148	6
Sunderland	48 707	1
York	8 510	6

- Plot the crowd capacity of the venues on the axis below.
- Make two statements about what you notice about the capacity of the venues.



### Question 3 (\$40)

New Zealand is playing the following pool matches for the women's rugby world cup. The table below gives the information for England based audiences.

New Zealand plays	Venue	Day and date	Match time in England
Spain	York	Sunday 24 August	17:30 BST
Japan	Exeter	Sunday 31 August	14:00 BST
Ireland	Brighton & Hove	Sunday 7 September	14:45 BST

- a) What does BST mean?
- b) Convert 17:30 from 24-hour time to 12-hour time.

During the women's rugby world cup, New Zealand is 11 hours ahead of England.

- c) Convert the day, date and time for New Zealand based audiences. Put this information in the table below.

New Zealand plays	Venue	Day and date in New Zealand	Match time in New Zealand
Spain	York		
Japan	Exeter		
Ireland	Brighton & Hove		