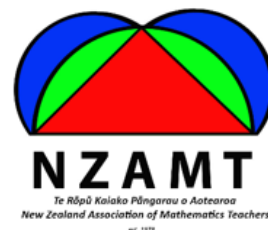
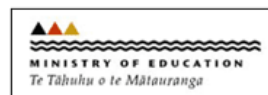




# Maths Week/Pāngarau Wiki 2025



## 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 C Day 1

### 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!

## FAMOUS MATHEMATICIANS

### Question 1 (\$20)



Roy Kerr is among the world's greatest mathematicians. He was born on 16 May 1934, Kurow, New Zealand.

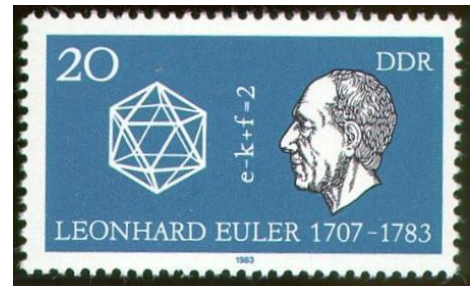
Roy Patrick Kerr CNZM FRS FRSNZ discovered the Kerr geometry, an exact solution to the Einstein field equation of general relativity. His solution models the gravitational field outside an uncharged rotating massive object, including a rotating black hole.

How many years ago was Roy Kerr born, to the nearest year?

2 3 4 5 6 7 8 9

### Question 2 (\$20)

Leonhard Euler was born in Switzerland 15th April 1707 and died 18th September 1783 in Russia. He was a Swiss mathematician who made enormous contributions to a wide range of mathematics and physics including analytic geometry, trigonometry, geometry, calculus and number theory.



How old was Leonhard Euler when he died?

### Question 3 (\$20)



Ernest Rutherford was awarded the Noble Peace for Chemistry in 1908. He was also a mathematician.

Many scientific institutions, streets and school houses bear his name and his image appears on the \$100 note and on a stamp issued by New Zealand Post in 2008. He is the only New Zealander to have an element - rutherfordium - named in his honour.

How old was Ernest Rutherford when died?

#### Question 4 (\$20)

Sir Isaac Newton was one of the greatest mathematicians of all time. He was born in England on Christmas day, a sickly child not expected to live for long. He attended a grammar school in Grantham and Cambridge University.

How long did he live for?



#### Question 5 (\$20)

Sophie Germain lived all her life in Paris. She was a brilliant mathematician who contributed to the theory of numbers. She was born on April fools' day in 1776 and died on June 27, 1831. A street in Paris is named after her.

How long did she live for?

