

Senior Maths Challenge

In the recent Senior Maths Challenge, open to students in Years 11, 12 and 13, nearly 70 students participated and produced a fantastic set of results with many notable performances. In total, 72% of the students received a certificate. Gold certificates were awarded to Mia Gaines and Kieran Harris in Year 13 while Alex Cooke and Peter Strulo struck gold in Year 12. Additionally, the award of 17 Silver and 29 Bronze certificates really emphasises the Maths talent across the senior year groups.

Following the Senior Maths Challenge, around 3,000 students are invited to sit a follow on competition called the Senior Kangaroo. I am delighted to announce that three of our students, Mia Gaines, Kieran Harris and Alex Cooke all scored highly enough to qualify for this competition. They will sit the paper in the coming weeks.

Exceptional performances

Highest in the school	Alex Cooke
Highest in Year 13	Mia Gaines
Highest in Year 12	Alex Cooke
Highest in Year 11	Raff Zoio

Examples of questions (No calculators allowed!!)

Q1. How many times does the digit 9 appear in the answer to 987654321×9 ?

- A. 0 B. 1 C. 5 D. 8 E. 9

Q2. On a Monday, all prices in Isla's shop are 10% more than normal. On Friday all prices in Isla's shop are 10% less than normal. James bought a book on Monday for £5.50. What would be the price of another copy of this book be on a Friday?

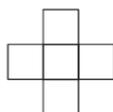
- A. £5.50 B. £5.00 C. £4.95 D. £4.50 E. £4.40

Q4. Alex draws a scalene triangle. One of the angles is 80° . Which of the following could be the difference between the other two angles in Alex's triangle?

- A. 0° B. 60° C. 80° D. 100° E. 120°

Q5. All the digits 2,3,4,5 and 6 are placed in the grid, one in each cell, to form two-three digit numbers that are squares. Which digit is placed in the centre of the grid?

- A. 2 B. 3 C. 4 D. 5 E. 6



Well done to everyone who took part, rising to the challenge and representing Farlingaye so well.

Mr Daly

Answers

1 B

2 D

4 C

5 A