*TERM 2 FAMILY MATHS CHALLENGE*

**Welcome to the first Maths Challenge of the Year. Feel free to complete as many of the problems as you choose. This is a wonderful opportunity for fun, for discussion and for problem solving.**

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| **CHALLENGE ONE**  Arrange these counters in a repeating pattern. Describe your pattern and say what would come next if you had more counters. | **CHALLENGE TWO**  A pirate shares some of his treasure. He gives ¼ to the cabin boy, ¼ to his first mate and 1/3 to the girl who feeds his parrot. How much of his treasure does the pirate have left? | **CHALLENGE THREE**  I am twice my brother’s age and one fifth of my mother’s age. My dad is older than mum by half my brother’s age. All our ages are whole numbers. I go to school but my brother doesn’t yet. How old are we? | **CHALLENGE FOUR**  Task: The sides of a rectangle, in metres, are each a whole number, less than 10. The area of the rectangle is the same value (in m2) as the perimeter (in m). Is this possible? https://nzmaths.co.nz/sites/default/files/images/experiences/Tricky.PNG |

**Due Date: Wednesday 12th June 2019**

Please send your answers to the office marked Family Maths Challenge or email Josh Crowe [**jcrowe@sjvermont.catholic.edu.au**](mailto:jcrowe@sjvermont.catholic.edu.au)

Good luck and have fun.