Nurturing Successful Mathematicians

Welcome
We will get started in a few moments

We will be recording today’s event so please turn off your microphone and camera

nrich.maths.org/code-of-conduct

NRICH Live - Primary
7 October 2020
Liz Woodham
Charlie Gilderdale

Five Strands of Mathematical Proficiency


Understanding - Maths is a network of linked ideas. I can connect new mathematical thinking to what I already know and understand.

Tools - I have a toolkit that I can choose tools from to help me solve problems. Practising using these tools helps me become a better mathematician.

Problem solving - Problem solving is an important part of Maths. I can use my understanding, skills and reasoning to help me work towards solutions.

Reasoning - Maths is logical. I can convince myself that my thinking is correct and I can explain my reasoning to others.

Attitude - Maths makes sense and is worth spending time on. I can enjoy Maths and become better at it by persevering.


www.nrich.maths.org
1. Score your own game and post your total number of points in the chat.

2. Can you recreate an arrangement of the digits that would result in someone else’s point total?

3. How could you arrange the same digits (shown above) to maximise your score? (Please share your reasoning in the chat but don’t include the total that you think is the maximum!)

4. Imagine playing this game with your class. Please post in the chat any comments or questions that you think might come up.

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Less Is More

Less Is More (nrich.maths.org/less-is-more)

1. Try to create a string of calculations that uses as many numbers as possible on the 0-20 number line.

Please post in the chat how many numbers are unused.

2. Is it possible to create a string of number sentences that uses all the numbers on the 0-20 number line? Why, or why not?

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Competitive to Collaborative