F-2: REMOTE MATHS
EDITION 14

NUMBER AND ALGEBRA - INVESTIGATIONS

Mathematical language: place value, odd, even, digit, number, ones, tens, hundreds, column.

INVESTIGATION 1

PART 1: ODD AND EVEN NUMBERS

Watch and listen to One Odd Day, by Doris Fisher.

- Create an odd number monster so that everything on the monster is an odd number. You could use playdough, Lego, craft materials, or draw one yourself. For example, this monster has
  - 5 feathers in his/her hair
  - 7 yellow arms
  - 9 red legs
  - 1 purple belly button and
  - 3 googly eyes

PART 2: ODD AND EVEN NUMBERS IN YOUR NEIGHBOURHOOD

For this task you will need to go on a walk around your neighbourhood with a parent.

- Create a list of odd and even numbers that you find, and draw a picture or take a photo of the number.

Odd numbers		Even numbers	
7	35	20	8
House number	Road sign	Letterbox	House number

INVESTIGATION 2

PART 1: SORTING NUMBERS

Adapted from ReSolve

In this task, you will need to download and cut out, or write out this set of numbers.

24	34	27	40
47	207	140	2
142	7	70	374
72	37	42	4

- How can you sort these numbers?
- How are the numbers within the group similar?
- Find at least three different ways to group your numbers.

Extending prompt: Sort the numbers again thinking about the value of the digits and numbers.

PART 2: HOW HAVE THESE NUMBERS BEEN SORTED   *Adapted from ReSolve*

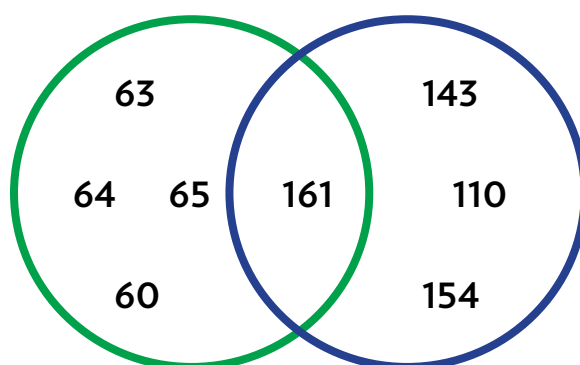Have a look at how Hugo and Kayla sorted some numbers in the Venn Diagrams below.

Work out the names of the groups.

- What makes the groups different?
- Why are there some numbers inside both circles?

HUGO

89
85   81   41
83   11
            21

KAYLA

63   143
64 65   161   110
60   154

Look out for more tasks next week!

THE MATHEMATICAL
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