Mrs Clay's Y5 Thursday Maths Task: 23rd April

Decimal complements to 1

Today's task is hopefully a fun way to consolidate your understanding of decimal complements from the White Rose learning yesterday and play a maths game with an adult at home, if you are able to!

Use a virtual die here https://dice.virtuworld.net/?sides=9 unless you happen to have a funky nine-sided die at home. You need to set the online die so that it has 9 sides and you will need 2 dice. Alternatively, you can use regular dice but will have a limited range of numbers.

Roll both dice (the 'cast' option). Use the digits generated to create a number below 0.

e.g. You roll a 4 and a 9. You can either use these to make the number 0.49 or 0.94. Work out what you need to add to this number to reach 1. Your partner then does the same, generates a number below zero and works out what they need to add to reach 1. The person with the largest answer wins the round!

So…

Player 1: Rolls a 4 and a 9. Uses these to make 0.49. Works out that they need to add 0.51 to make 1.

Player 2: Rolls a 3 and a 2. Uses these to make 0.23. Works out that they need to add 0.77 to make 1. Player 2 has the largest number in the answer and so wins.

Extension suggestion: Use 3 dice to generate a number below 1, e.g. 0.427, then find the decimal complement to 1.