

BUN-SGOIL TAOBH NA PÀIRCE

ÀIREAMHACHD AGUS MATAMATAIG – PLANA LÀITHEIL

Diardaoin 14.01.21

Àireamh an Latha | Number of the Day

Pick one of the numbers and try as many tasks as you can each day choosing from Number of the Day and Mental Maths choices.

Easier

92

Harder

10.01

Halve it

Double it

Treble it

Find 5%

Find 10%

Find 50%

Find 57%

Write it in words

Add 199

Subtract 29

Create a word problem with it as the answer

Multiply it by 10, 100, 1000, 10000

Divide it by 10, 100, 1000, 10000

Round to the nearest 10 and 100

If you had that amount in money, what sort of things could you buy?

Ceistean Cinn | Mental Maths

Number Sequences

The Fibonacci sequence adds consecutive numbers together. It begins with 0 and 1, adds these together to make 1, then $1 + 1$ makes 2, followed by $1+2 = 3$, $2+3 = 5$, $3+5 = 8$, and so on.

The following patterns are Fibonacci inspired (similar in approach). Look at the sequence and fill in the missing numbers:

#1 2, 2, 4, 6, 10, 16, ____, ____, ____, ____

#2 1, 2, 2, 4, 8, 32, ____, ____, ____

#3 ____, 3, ____, 7, 11, 18, 29, 47, ____, ____

#4 6, ____, 15, ____, 39, 63, ____, 165, ____, 432

Extra

Sudoku

If you would like a little extra, try this puzzle!
For those who don't already know sudoku, here's a short explanation:

The grid is divided into nine blocks, each containing nine squares. The rules of the game are simple: each of the nine blocks has to contain all the numbers 1-9 within its squares. Each number can only appear once in a row, column or box.

Fill in the puzzle so that every row across, every column down and every 3 by 3 box contains the numbers 1 to 9.

Hard Puzzle 1

								2
						9	4	
		3						5
	9	2	3		5		7	4
8	4							
	6	7		9	8			
			7		6			
			9				2	
4		8	5			3	6	

Equations

I can apply my knowledge of number facts to solve problems where an unknown value is represented by a symbol or letter.

Tasks:

Work out the value of the triangles.

For example: $\Delta + 26 = 37$ (Answer: $\Delta = 11$)



1) $28 \div 2 = \Delta$

2) $16 \div 4 = \Delta$

3) $21 \div 3 = \Delta$



1) $98 \div 7 = \Delta$

2) $882 \div 9 = \Delta$

3) $157 \div 10 = \Delta$



1) $125 \div (-5) = \Delta$

2) $-160 \div (-8) = \Delta$

3) $-150 \div 10 = \Delta$



Add Brackets to make these answers correct

1) $7 \times (-6) + 5 \times (-4) = (-62)$

2) $7 \times (-6) + 5 \times (-4) = 28$

3) $7 \times (-6) + 5 \times (-4) = (-182)$

Maths Topic – Researching Famous Mathematicians

Maths - I can explore how mathematics impacts the world and the important part it has played in advances and inventions.

Reading – I can find and select information from a text.

This is the last day that we will look at famous mathematicians and I've included four because I couldn't choose! There's a video again to help with the reading.



1. How old was Benoit Mandelbrot when he had to leave Poland to travel to France to keep safe during the war?
2. What year did Mary Sommerville go to boarding school in Musselburgh?



1. Mary Sommerville was asked to translate a science book from French. She didn't just translate it, what else did she do?
2. What calculations did Katherine Johnson work on?



1. Write a short paragraph in your own words about the impact that Mary Sommerville's work had.
2. What was Benoit Mandelbrot famous for inventing? What do we use today that wouldn't be as good without his invention?