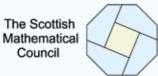
Christmas Holiday 2019

Deputy First Minister's Maths Challenge









Puzzle 1 - Guess the Secret Santa Present



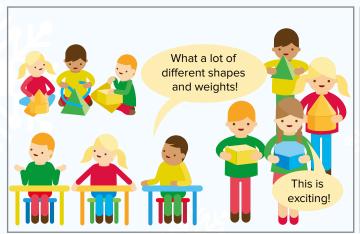
NOT TOO LONG AGO – IN A SCHOOL NOT TOO FAR AWAY...CHRISTMAS WAS GETTING CLOSER IN MISS ELTOW'S CLASS...

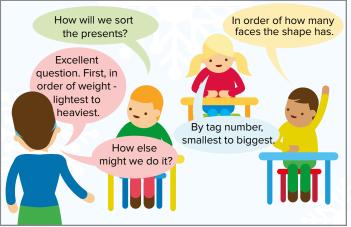






THE CHILDREN BROUGHT THEIR WRAPPED PRESENTS INTO CLASS.





Time to play GUESS THE PRESENT! For two or more players.

Take it in turns to pick a present from the pictures in Puzzle 2 and write down the number on the tag - DON'T SHOW IT!

Give 3 clues to the other players to guess the present. If anyone guesses correctly after one clue they get 9 points, after two clues they get 6 points and after three clues they get 3 points.

For example:

1. This present is made up of two different shapes
2. The tag number is an even number between 60 and 70
3. This present has a pyramid in it







Puzzle 2 - Secret Santa Presents



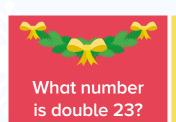






Puzzle 3 - Secret Santa Gift Tag Clues

Work out the answers to the Christmas clues below and match them to the number on the Christmas present tags in Puzzle 2.





A cracker costs 25p and a candy cane costs 35p. How much altogether?





1 elf weighs 34kg. What will 2 elves weigh?



Crackers are sold in boxes of 6. How many boxes are needed for 18 crackers?

At the start of Christmas Eve. how many hours until the start of **Christmas Day?**

often sung at this time

of year.

Twelve drummers drumming, eleven pipers piping, ten lords a-leaping. How many people?

Four calling birds, three French hens. two turtle doves. and a partridge in a pear tree. How many leas do they have altogether?

There are 28 cards. 28 envelopes and 38 presents in a box. How many items altogether?



What is the smallest 2-digit number?

Your street has 75 houses in it and you send a card to each of your neighbours. How many cards will you send?

How many daus in December?

Sam spends £2.89 on wrapping paper. What change does he get from £3 (in pence)?

What is the biggest 2-digit number?

Wrapping paper is sold by the metre. How many centimetres in 1 metre?

Andrew has 72 Christmas decorations. He gives half to his sister Andrea. How many is he left with?



3 Christmas trees each have 21 decorations. How manu decorations are there altogether?

4 people each get 8 Brussels sprouts on their plate. How many Brussels sprouts are there in total?



Which date in December is **Christmas Dau?**



Issued to Primary 4 pupils in Scotland for Christmas holiday maths family fun.

Developed in partnership between the **Scottish Government** and **The Scottish Mathematical Council**.

We will be publishing the solutions and workings on our Making Maths Count blog (blogs.gov.scot/making-maths-count) from 6 January 2020.

Parents and carers

Please check out Parentzone Scotland www.education.gov.scot/parentzone and Parent Club www.parentclub.scot for more ways to enjoy numeracy and maths.

What you can do as a parent or carer

- Play board games! Games can involve a lot of maths: this could be counting squares, looking for sequences, moving in different directions, exploring probability by rolling dice or being dealt a card, and following logic and rules.
- Play puzzles and puzzle-like games. Examples include Noughts and Crosses, Guess Who?, Sudoku, Dominoes, Battleships and Draughts. These involve strategic thinking, problem solving, and planning, as well as lots of the skills mentioned above.
- Include children in activities that use maths. For instance cooking
 often asks for lots of quantities and measuring as well as shapes,
 times and temperatures. Shopping involves prices, counting money
 and checking dates (the expiry date).
- Estimate all sorts of things together: "I wonder how many steps there are here?"
- Plan journeys together, look at maps, timetables, and talk about distances.
- Talk about maths in a positive way that way your child will too!