12 Days of Christmas Maths Puzzles

## $\boldsymbol{D}_{a y 1}$

Q1.
Which is the shortest road that Santa can take to get home?
The yellow one or the blue one or are they both the same?


Q2.
Santa has 11 boxes of chocolate. He wants 4 elves and himself to have the same number of boxes. How many more boxes does he need to be able to do it?

## $\boldsymbol{D}_{a y 2}$

Q1.
Can you complete the Magic Square below?
Fill in the numbers $1,2,4,7,9$ so that the sum of any row, any column, or any main diagonal is the same.


Q2.
Tinsel owes Topper 4 elf's dollars and also owes Tini 5 elf's dollars. How many dollars does Tinsel owe in total? He earns 5 dollars per hour. How many hours he must work to give the money he owes back?

## $\boldsymbol{D}_{\text {ay }}{ }^{3}$

Q 1.


Buddy said to Buster: "In two years I am going to be 12 years old."
How old is Buddy now? How old is he going to in 5 years' time?

Q 3.
Help Ralphie to put the days of the week in the right order. If Monday is day 1 , match each day with the right number.

| TUESDAY |
| :---: |
| THURSDAY |
| MONDAY |
| SATURDAY |
| WEDNESDAY |
| SUNDAY |
| FRIDAY |

## Day $_{4}$



Q 1.
It takes Rudy 2 hours to make 3 teddy bear toys. How many toys he will make in 6 hours

Q 2.
Santa wants to order online special socks for reindeer's hooves as this winter is going to be cold and he doesn't want them to get cold while they are up in the air. How many pairs of socks he must order for his 12 reindeer?



Q 1.
Santa got on the bus at 8 a.m. and got off the bus at 1 p.m.
How long was the journey?

Q 2.
Snowball the elf loves to nap during the day.
Yesterday he had a two hours long nap.
Today he slept from 2:30 p.m. till 4 p.m.
Is today's nap longer or shorter then yesterday's one?


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## Day 6

Q 1.
Twinky the elf has a big jar of candies. He has there 3 cherry candies, 2 candy cones and 5 candy corns.

How many sweets are in the jar? If he eats two sweets daily after how many days, the jar will be empty?


Q 2.
Tinsel owes Topper 4 elf's dollars also owes Tini 5 elf's dollars. How many dollars does Tinsel owe in total? He earns 5 dollars per hour. How many hours he must work to give the money he owes back?


## $\boldsymbol{D}_{a y} \boldsymbol{y}$

## Q 1.

Eves' Library on the North Pole has 20 books about Christmas.
If Candy, Carol and Cindy-Lou borrow 6 books each will there be any left for Cupcake?


Q 2.
Jolly had 9 mince pies for breakfast, Juniper had 6 less than Jewell. Together elves had 19 mince pies. How many had Juniper?

## $\boldsymbol{D}_{\text {ay }} 8$

$\mathbf{A}$ is a Sweet's Shop, $\mathbf{B}$ is an Elf's Diner and $\mathbf{C}$ is a Toy's Factory.

Follow the instructions to find out where Frank the elf is going to be this morning.

The green dot is your starting point.

Go right along the line for the length of 7 boxes, then up the next 7 , always along the line, then another 7 right, 7 up, 4 right and 2 up.


$$
\mathcal{D}_{\text {ay }}
$$

Q 1.
Santa's bag when it is filled with presents weighs 25 kg . Empty, the bag weighs only 1 kg . How many kg of presents has Santa in his bag?

Q 2.


Q3.
Santa loves a good maths puzzle. This is one of his favourites.


A square is code for the number 1 and
a circle is code for the number 2. Can you solve it?


## 12 Days of Christmas Maths Puzzles

## Day 10

Q 1.
Buddy the elf has two brothers and three sisters.
How many brothers does each of Buddy's sisters have?


Q 2.
How old is Berry going to be in 3 years' time if 3 years ago he was 3 years old?

## 12 Days of Christmas Maths Puzzles

## $\mathscr{D}_{\text {ay }}^{11}$



Q 1.
Mrs Claus gave Santa 8 halves of apples. How many apples is that?

Q 2.
Max the elf loves maths puzzles. When the number is in a circle we double it. When it is in a triangle we add 1. Can you find out what number 3 becomes?


## $\boldsymbol{D}_{\text {ay }} 12$

Q 1.
Jingle hid a number behind the Christmas tree. What number is that?
4-7=12

Q 2.
Santa loves puzzles. Can you help him to work out this puzzle? Each of the 16 squares has to be filled with numbers 1-4. Each number can only appear once in a row, column or each of the diagonals.


