Answer Key - Cat Escape Room - March 4th, 2021

A word from our creators:

> *Some puzzles were tougher than others, but hopefully you were able to enjoy yourselves. Thank you all for playing with us and we hope these Answer Keys will help relieve any questions you had about the puzzles. We'll continue to work on new Online Escape Rooms for you, so stay tuned in to our website at* tpl.ca/teens/programs-and-classes.jsp*!*

Puzzle 1: What's in a Name?

Answer: Gizmo

The first three alphabets are in proper order. Rearrange the last two, keeping in mind one might be upside down.

Puzzle 2: Turn That Frown Upside-Down

Answer: eyes

We dart around here and there, and everywhere. **Eyes dart around as they look around!**
But on second thought, no, we never really leave our spot. **It's true, your eyes stay on your face.**
We're just like you, we show fear, confusion, and get tired too. **We can usually pick this out just by looking someone in the eye.**
And at the end of the day, we often confirm the truth! **Seeing is believing!**

Puzzle 3: TRAINEE
Answer: 23512

Only numerical digits make up the PIN. Notice that "Reminders" is a separate section, and could indicate that the count restarts.

Puzzle 4: Ew, Dogs!
Answer: FLJ

Hm... try imagining the water flowing quickly from the tap into the water bottles. And here's a tip: If the water's flowing that fast, a water bottle might fill up quickly because it doesn't drain through the pipes fast enough!

https://s4.gifyu.com/images/fastflow.gif

Puzzle 5: Gesundheit!
Answer: STAY LIGHT ON YOUR TOES

Try finding your way out of the maze, ignoring all the letters. Go back to the route you took to get out of the maze and look at the letters that appear on the path. The darker letters should spell out a phrase.

Puzzle 6: Meow, Buttons!
Answer: 5

The trick here is figuring out the equations which lead to the inner number from the outer numbers. We can see on the first button that we have 3,2,1 on the outside, and 5 on the inside. What is the relation between these numbers?

Well, we can try multiplying two of those outside numbers. So 3x2=6.
But how do we get to the inner number: 5? Let's use the last outer number: 1!
6-1=5.

So now we have established a rule. Let's see if it works for the other buttons.

In the second button:
Well, we can try multiplying two of those outside numbers again. So 5x2=10.
But how do we get to the inner number: 6? Let's use the last outer number: 4!
10-4=6.
It works!

In the third button:
We just have to find in the number that allows these equations to work in the same way. We can do this by working backwards.
What's the inner number: 8? Let's add the last outer number: 7!
Now we have 15.
The missing number is now something that when multiplied by 3, equals 15.
Well, that would be 5!

Puzzle 7: Where the Sidewalk Ends
Answer: 5

The cars can move in any direction, forwards **and** backwards.

Puzzle 8: The Purr-fect Security System

Answer: 19

The trick is figuring out the relationship for any side using the available numbers! The equation remains the same no matter which side you work on, so even figuring out one side will do.

Take the three numbers on top as an example: (1-17-8)

After some deliberating, we can figure out that 1x8=**8** and 1+8=**9**. When we put that together, we get 8+9 which is 17!

So to solve for our problem at the bottom: (3-??-4)

We can do 3x4=12 and 3+4=7. When we put that together, we get 12+7 which is 19!