

WARRIORS of

FIVE CRYSTALS

Gisele Chong



Bucklands Beach Intermediate

Wisdom



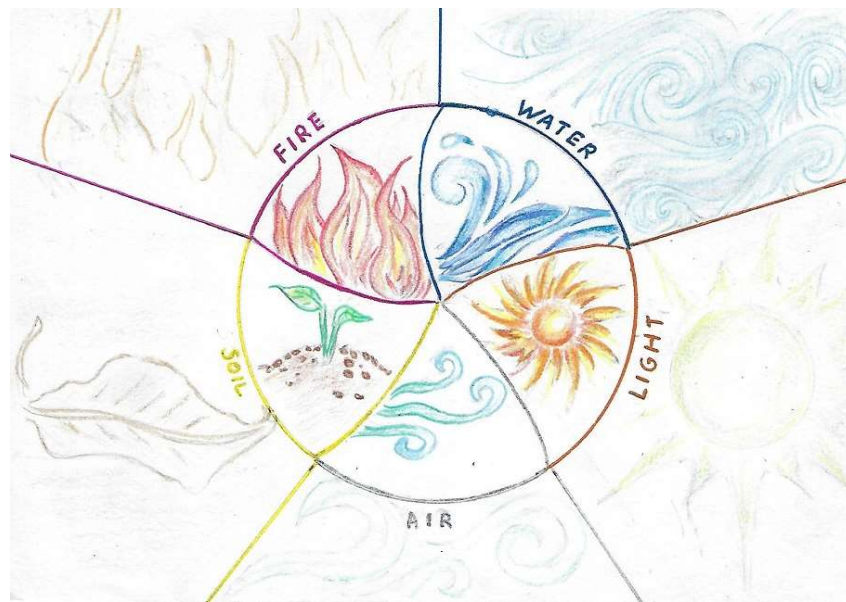
Courage



Love



The Utopia was a paradise on this earth, where the mountain sceneries were magnificent and rivers were beautiful. People all lived a happy and wealthy life. This ideal kingdom was guarded by five divine crystals with immense power, which represented the five most important elements on the earth: Soil, Water, Fire, Air, and Light. Soil Crystal made the country rich in resources, minerals and fertile soils, and people had prosperous life. Water Crystal gave the country the most precious and clear water source, and the water flowed endlessly. Fire Crystal provided people with energy to cook delicious food, and warmth in the severe winters. Air Crystal enabled people to breathe fresh and hearty air without pollution. Light Crystal made the sky always clear with sunshine.



Until one day, a wicked thief sneaked into the temple and tried to steal the treasures and antiquities in the temple. When he left, he accidentally overturned the altar where the sacred crystal was enshrined, and the five sacred crystals were unfortunately crashed and destroyed. The country suddenly underwent earth-shaking changes. The soil became drought, the lakes became dry, fires were raging everywhere, air became turbid, and even the sky was darkening. The King immediately summoned three warriors who represented wisdom, courage and love. The King ordered, “Now the country is in dire straits, and you need to find the new reborn crystals immediately. Five sacred crystals are scattered in different places in the country, and these sacred crystals must be obtained through wisdom, courage and love. Gisele the Wisdom Warrior, I hope you can make good use of your wisdom to find the location of the crystals and determine the best decision. Chace the Courage Warrior, I hope you can use your courage to help obtain the crystals and solve the problems that will face. Charmaine the Love Warrior, I hope you can use your care and love, to observe and help those in need. I believe that you all can work together to give full

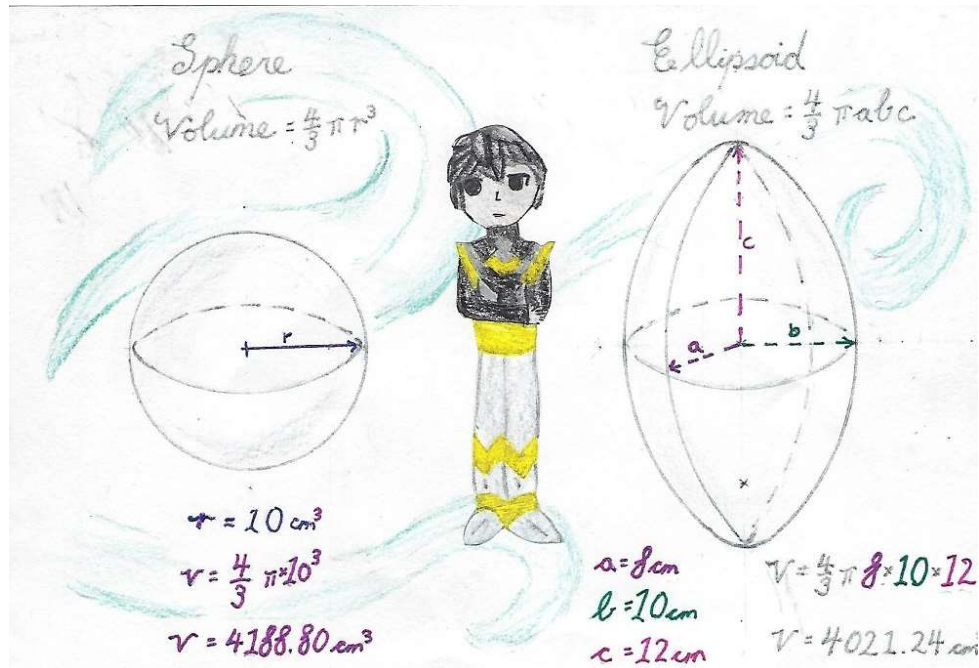
play to your strengths and successfully obtain the crystals to rebuild the country. Remember that it must be the largest one, which is the true divine crystal.”



The next day, the three warriors set off with their pets which had their own special skills: cat Mocha, polar bear Iceberg and parrot Peachy. Gisele believed that the locations of the crystals might have a representative relationship with its attributes. Therefore, they decided that their first stop is Otago, where the air was the best in the country. They entered a Maori tribe, Charmaine saw a little boy gloomy and sad, he did not speak but just looked up at the sky. Warriors then asked the Chief what was happening to the boy, the Chief replied: “The little boy’s mother passed away when she gave birth to him. There was a legend in the tribe that the dead would turn into white clouds to protect their beloved ones on earth. That’s why the boy had been looking forward to get the white clouds in the sky so that he could fulfil his wish to meet his mother.”



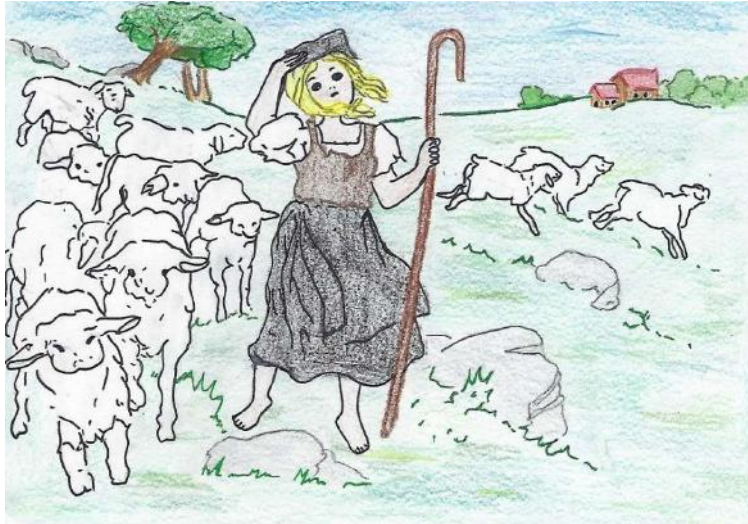
Gisele came up with an idea to use a hot air balloon to rise up to the sky, hoping to get the boy a white cloud. Chace worked with the villagers to build a big hot air balloon. After Chace successfully lifted into the sky, he retrieved a white cloud and returned back to the ground. After the boy took the white cloud, he was filled with joy and burst into tears. The tears merged with the white cloud and turned into two flawless white crystals with different shapes – a sphere and an ellipsoid. Chace calculated the volumes of the two crystals and found out that the largest one was the sphere crystals.



Warriors gave the Ellipsoid one to the little boy, and the little boy became happy since then, because he felt like his mother was always by his side.



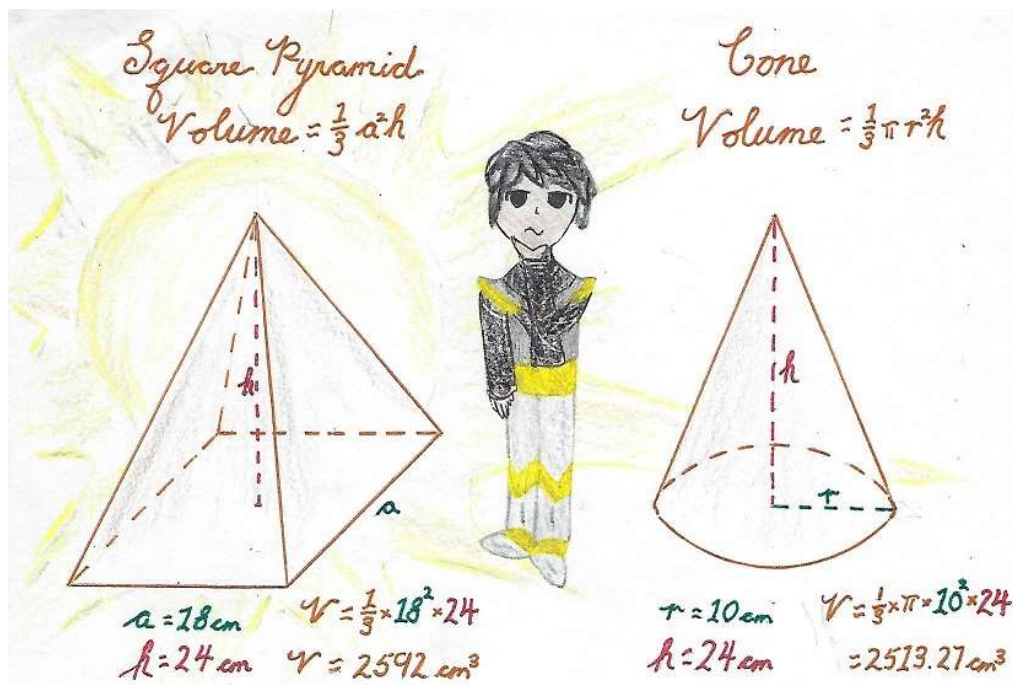
After that, they arrived at Mount Cook, where could see the brightest sunshine. Charmaine met a girl who was shepherding, so they asked the girl for the location of the mountain hotel. After the girl answered grimly, she turned around and left. They finally arrived at the hotel and they saw the girl they had just met. When they were about to thank the girl, the girl went away sternly.



The hotel owner explained: “Please don’t be surprised. My daughter has been unsmiling since she was a child. She often feels upset because she learned from the book that rainbows will only appear in places with good children, but we have never seen any here. Therefore, she always believed that it was because of her own shortcomings, the rainbow refused to appear in front of her eyes.” Gisele immediately figured out a way to make a rainbow, which could be achieved by using a huge triangular prism. If the prism was placed on the top of the mountain and they could wait for the sunlight to refract at the correct angle in order to show the perfect rainbow. Chace therefore told polar bear Iceberg to climb up to the top of the mountain with the huge triangular prism on his back and placed it on the peak. As the sun's rays began to move, the rainbow light slowly alluded out, and a beautiful and eye-catching rainbow gradually appeared.

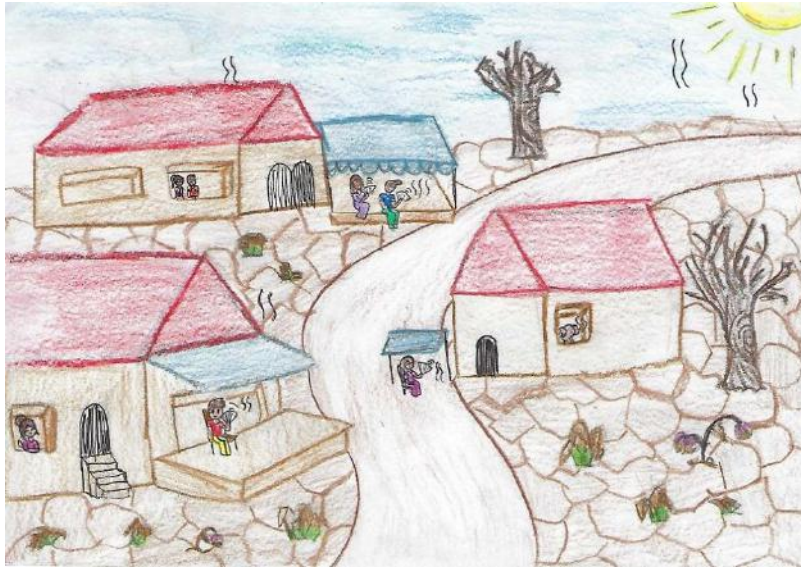


The warriors immediately brought the little girl to the place, and the little girl suddenly became lively and cheerful. Finally, she opened her heart and laughed, and embraced the warriors enthusiastically to express her most sincere thanks. At the same moment, two golden crystals of different shapes (a square pyramid and a cone) appeared at the end of the rainbow. Chace calculated and compared the volumes of the two crystals and found out that the square pyramid was larger than the cone one. Therefore, they gave the girl the cone crystal which was the best and most impressive gift she ever received.



They immediately set off and marched northward to the third stop, Mount Ruapehu, which was the largest active volcano in the country. The warriors saw that all the villagers were sweating and lying lazily on the ground. Therefore, they asked the chief about the situation. The

chief replied, “Our village is getting hotter and hotter recently. The villagers are too hot and don’t want to work anymore but just want to lie on the ground to dissipate heat.”

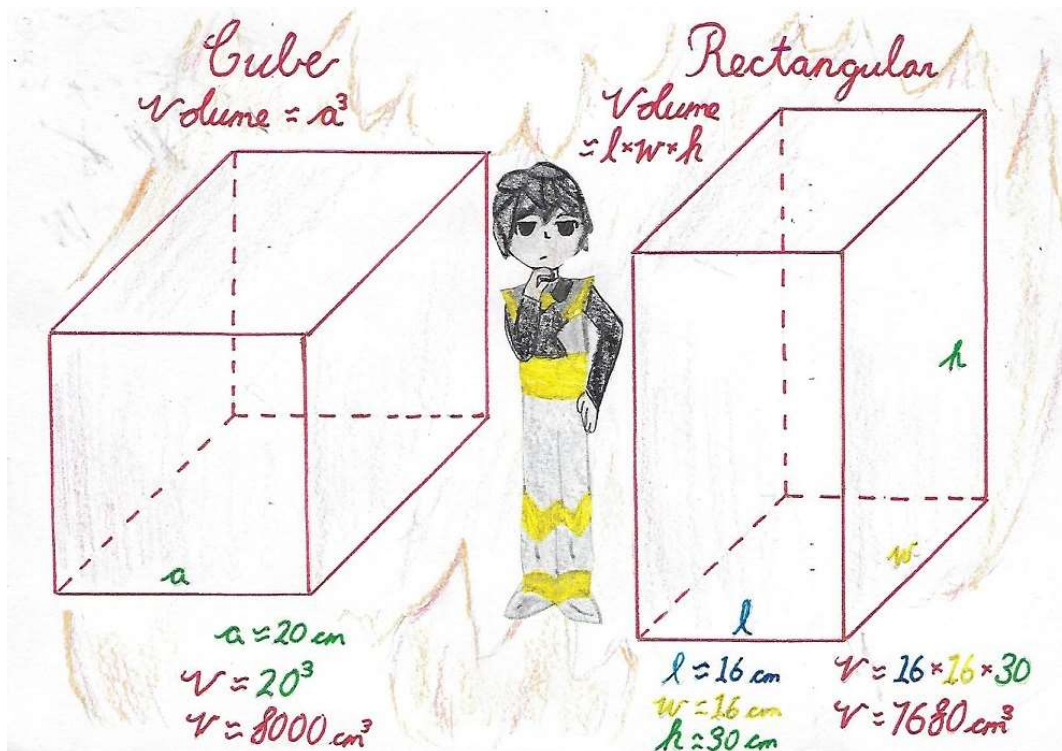


Gisele predicted that the active volcano might be starting to explode. Charmaine called parrot Peachy to fly over the crater to investigate. Peachy found that the lava inside the volcano had started to move vigorously, and it was expected to erupt soon. Gisele then thought of a way that parrot could carry enough ice particles to slap the lava, Charmaine instructed Peachy to call thousands of companions, and all the parrots worked collaboratively together to throw ice particles continuously into the crater.



With the tremendous efforts of parrots, the volcano was finally extinguished, and the village avoided the risk of being destroyed by the lava. The temperature in the village finally

returned to normal, and all the villagers expressed their deepest respect and gratitude to the warriors. To ensure that the volcano had been completely extinguished, Charmaine ordered parrot Peachy to fly back to the crater for inspection. At this time, Peachy discovered dazzling red lights shining in the crater. Peachy flew back to Charmaine and brought back two different shapes of brilliant red crystals – a cube and a rectangular prism. Chace compared the volumes of the two crystals and found out that the cube was the larger one. Therefore, they left the rectangular prism for the village.



After receiving the warm hospitality from the villagers, the warriors set off for the fourth stop, Lake Taupo, which contained the most precious source of clear water in the world. The warriors walked into the village and found strangely that no one was seen along the road, so the warrior knocked on the door of one of the village houses, hoped to find out what happened. After the villagers opened the door, the warriors saw that the couple looked tensed and worried. The wife immediately asked the warriors for help and said: “Please save my son and daughter. They are covered with rashes and feel itching with serve pain. Children in our entire village have the same symptoms. Parents are afraid that their children will be infected by more diseases from the outside world and worsen the illness, so every family closes their doors and windows, and avoid going out.”

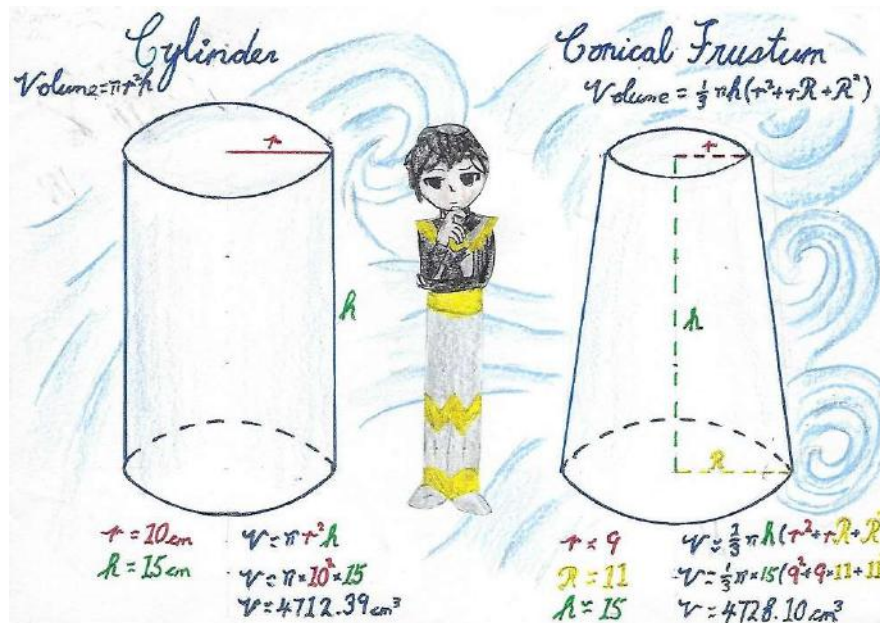


Through the painful expressions of the children, the warriors felt pressured and immediately asked: “Have they ever seen a doctor yet?” The father replied: “According to legend, the only way to cure them was to obtain the deepest cold water in the centre of the lake, but the bottom of the lake was too deep for us to dive into that depth.”

Gisele remembered that polar bear Iceberg had a higher diving limit than humans, and held breath longer than humans. Chace told Iceberg to dive into the water and reach to the bottom of the lake. Iceberg quickly reached the deepest bottom of the lake and brought back a large bottle of the deepest cold water. The warriors distributed the lake water to the villagers. When the sick children drank a cup of the lake water, the rash disappeared immediately, and they are all recovered.



The villagers were excited and applauded together to celebrate. Simultaneously, the lake water left in the bucket suddenly crystallized into two exquisite and crystal-clear blue crystals of different shapes – cylinder and conical frustrum. Chace compared the two crystals and figured out that the frustrum one is larger and therefore they gave the cylinder one to the villagers for memories.



The warriors finally arrived at Waikato, the last stop of the journey, where the country's most fertile soil existed. The warriors overlooked at the farmland which was already dry, and the farmers had been starving. When Charmaine saw the scene, she quickly distributed the food in the backpack to the farmers. The farmers were grateful and said: "We have not cultivated the land for a long time, and the fields have all dried up."

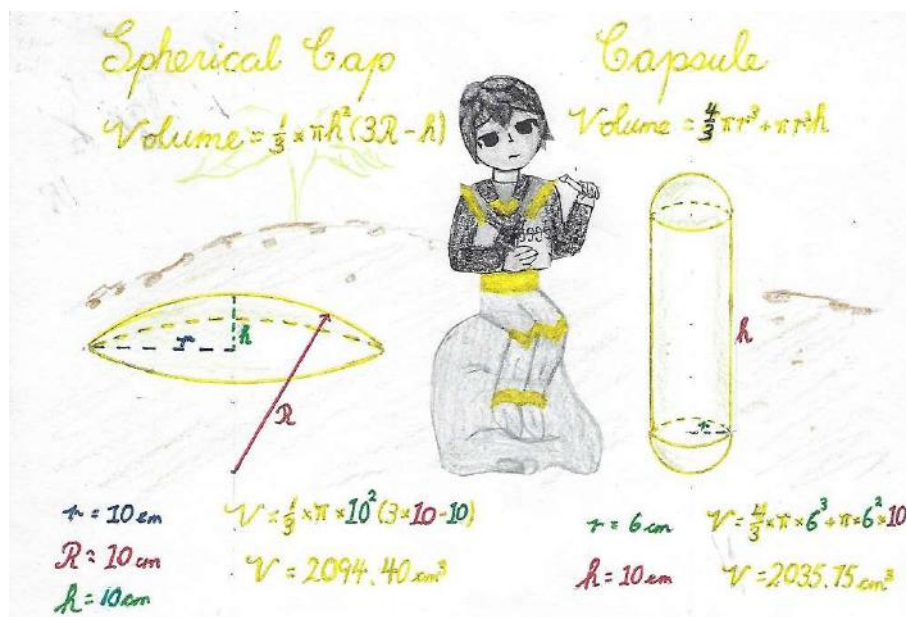


Gisele then ordered cat Mocha to dig a deeper hole in order to check the condition of the soil. When Mocha dug about 1 metre deep, he found that the soil was relatively moist, so he took the wet mud back. Gisele estimated that a new water source might have been discovered, which

could save the dry farmland, so she ordered Mocha to dig deeper, and suddenly jets of water spouted out.



The soils were nourished again, and the farmers jumped for joy and cheered in unison. At this time, the wet soil brought back by Mocha turned into two brilliant yellow crystals of different shapes – spherical cap and capsule. Chace quickly determined that the spherical cap one was the larger one. Thus, they gave the capsule one to the farmers to thank for their hard work.



After successfully obtaining all the divine crystals, the warriors started their journey back to the King's palace. Through the journey, the warriors deeply understood that great work could only be achieved by perseverance and destiny was always grasped in our own's hand. The King greeted the warriors at the temple and placed the sacred crystals back on the altar carefully. The weather suddenly became clear again, the air became fresher, the river became clearer, the land became fertile, and even the mountain fires disappeared. The country was refreshed and even more beautiful than before.



The King was very grateful for the contribution of the warriors; therefore, he issued an announcement: “Thanks to the helpfulness and perseverance of the three warriors of wisdom, courage, and love, the country has reopened a new world. We can regain this beautiful sky and zero-pollution ocean, thanks to the efforts of the three warriors to obtain the sacred crystals. To commemorate their great achievements, I announce that starting from today, I will name the country New Zealand.” Since then, New Zealand has become the Garden of Eden in the world known to everyone.



Dear reader, I am Gisele Chong who is 12 years old, studying at Bucklands Beach Intermediate School of New Zealand. Mrs. Sheridan Bell is my class teacher who always gives me support and guidance.

Thanks for reading my Maths Story about warriors. I hope my story can help readers to understand the volume calculations of different shapes and simultaneously provides inspiration to all readers that we should always have the courage and passion to achieve our goals.

Because we are braver than we may believe, stronger than we may seem and wiser than we may think.