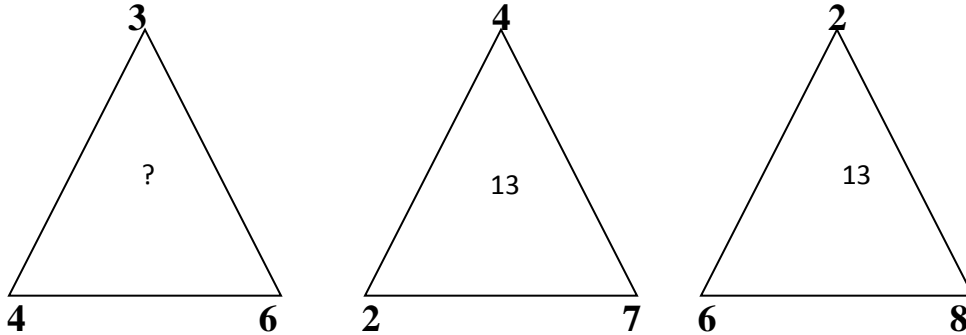# Teslaberry puzzle Contest

- **This contest contains 10 questions.**

- **Only registered teams will be evaluated.**

- **Every question has an answer in the form of words, letters or numerical figure- although explanation must be given after every answer.**

- **The answers must be submitted in word or pdf format and each answer should be properly numbered.**

- **The attached document must be sent along a mail on teslaberry9@gmail.com with the subject saying Teslaberry Puzzle Contest along with your team name and team token as body. If there is any discrepancy in the above-mentioned credentials than that team will be rejected.**

- **The contest starts on 25th and ends on 26th November, answers after that shall not be accepted.**

- **Give your grey matter a workout and have fun.**

1. Fill in the missing number

	Triangle 1	Triangle 2	Triangle 3

(Triangle 1: top 3, inside ?, bottom-left 4, bottom-right 6)
(Triangle 2: top 4, inside 13, bottom-left 2, bottom-right 7)
(Triangle 3: top 2, inside 13, bottom-left 6, bottom-right 8)

2. One day three Greek philosophers settled under the shade of an olive tree, opened a bottle of Retsina, and began a lengthy discussion of the Fundamental Ontological Question: Why does anything exist?
After a while, they began to ramble. Then, one by one, they fell asleep.

While the men slept, three owls, one above each philosopher, completed their digestive process, dropped a present on each philosopher's forehead, the flew off with a noisy "hoot."

Perhaps the hoot awakened the philosophers. As soon as they looked at each other, all three began, simultaneously, to laugh. Then, one of them abruptly stopped laughing. Why?

3. Look at the letters carefully and workout what they represent.

J	F	M	A
D	S	A	M
N	S	W	J
O	S	A	J

4. When Einstein wrote this riddle he apparently said that 98% of the world would not be able to solve it:
There are 5 houses in five different colours.
In each house lives a person with a different nationality.
These five owners drink a certain type of beverage, smoke a certain brand of cigar and keep a certain pet.
No owners have the same pet, smoke the same brand of cigar or drink the same beverage.
The question is: **Who owns the fish?**

Hints:
The Brit lives in the red house
The Swede keeps dogs as pets
The Dane drinks tea
The green house is on the left of the white house
The green house's owner drinks coffee
The person who smokes Pall Mall rears birds
The owner of the yellow house smokes Dunhill
The man living in the centre house drinks milk
The Norwegian lives in the first house

The man who smokes blends lives next to the one who keeps cats
The man who keeps horses lives next to the man who smokes Dunhill
The owner who smokes BlueMaster drinks beer
The German smokes Prince
The Norwegian lives next to the blue house
The man who smokes blend has a neighbour who drinks water

5. "Three gods A, B, and C are called, in no particular order, True, False, and Random. True always speaks truly, False always speaks falsely, but whether Random speaks truly or falsely is a completely random matter. Your task is to determine the identities of A, B, and C by asking three yes-no questions; each question must be put to exactly one god. The gods understand English, but will answer all questions in their own language, in which the words for yes and no are da and ja, in some order. You do not know which word means which."

6. You are in an empty room with a transparent glass of water. The glass is a right cylinder and appears to be half full. How can you accurately figure out whether the glass is half full, more than half full, or less than half full? You have no rulers or writing utensils.

7. The teacher decided to set his pupils an unusual test. He presented them a wooden box with a lid. Then he said, "There is something that I could put in this box that would make it lighter. In fact, the more of these things I would put in, the lighter it would become. Also, how many of these things I put in, the box remains empty". What are these things?

8. Ten people land on a deserted island. There they find lots of coconuts and a monkey. During their first day they gather coconuts and put them all in a community pile. After working all day, they decide to sleep and divide them into ten equal piles the next morning.

That night one castaway wakes up hungry and decides to take his share early. After dividing up the coconuts he finds he is one coconut short of ten equal piles. He also notices the monkey holding one more coconut. So he tries to take the monkey's coconut to have a total evenly divisible by 10. However, when he tries to take it the monkey conks him on the head with it and kills him.

Later another castaway wakes up hungry and decides to take his share early. On the way to the coconuts he finds the body of the first castaway, which pleases him because he will now be entitled to 1/9 of the total pile. After dividing them up into nine piles he is again one coconut short and tries to take the monkey's slightly bloodied coconut. The monkey conks the second man on the head and kills him.

One by one each of the remaining castaways goes through the same process, until the 10th person to wake up gets the entire pile for himself. What is the smallest number of possible coconuts in the pile, not counting the monkeys?

9. A man buys rice at $1 a pound from American growers and sells them at $0.05 a pound in India. Because of this he becomes a millionaire. How come?

10. A New York city hairdresser recently said that he would rather cut the hair of three Canadians than that of one New Yorker. Why?