

# Logic Riddles and Brain Teasers

## Level 1:

A sundial has the fewest moving parts of any timepiece. Which has the most?

## Level 2

What makes this number unique: 8,549,176,320?

## Level 3:

At Creepy Beasts Inc., three of the most dreaded animals, a tiger, a wolf, and a bear, sat in their boardroom in silence while they awaited their boss. Then, Mr. Tiger broke the silence.

“Isn’t it odd that our surnames match our species, yet none of our surnames match our own?”

The wolf replied, “Yeah, but does anyone care?”

They sat in silence again...

Can you figure out the surname of each animal?

## Level 4:

There are three playing cards in a row. There is a two to the right of a king. There is a diamond to the left of a spade. There is an ace to the left of a heart. There is a heart to the left of a spade. Identify the three cards.

## Level 5:

There are 5 houses and each of them has a different color. Their respective owners have different heritages, drink different types of beverages, smoke different brands of cigarettes, and look after different types of pets. It is known that:

1. The Brit lives in the red house.
2. The Swede keeps dogs as pets.
3. The Dane drinks tea.
4. Looking from in front, the green house is just to the left of the white house.
5. The green house’s owner drinks coffee.

6. The person who smokes Pall Malls raises birds.
7. The owner of the yellow house smokes Dunhill.
8. The man living in the centre house drinks milk.
9. The Norwegian lives in the leftmost house.
10. The man who smokes Blends lives next to the one who keeps cats.
11. The man who keeps a horse lives next to the man who smokes Dunhill.
12. The owner who smokes Bluemasters also drinks beer.
13. The German smokes Prince.
14. The Norwegian lives next to the blue house.
15. The man who smokes Blends has a neighbour who drinks water.

The question is, who owns the pet fish?

Answers:

Level 1:

An hourglass – it has thousands of moving grains of sand

Level 2:

The numbers are ordered in alphabetical order

Level 3:

The wolf responded to Mr. Tiger which means his surname cannot be wolf or tiger, so it must be Bear. Mr. Tiger would have to be a bear and Mr. Wolf a bear.

Level 4:

The cards are an Ace of Diamonds, a King of Hearts, and a Two of Spades.

Level 5:

The German owns the pet fish.

Since the Norwegian lives in the leftmost house (9) and the house next to him is blue (14), the second house must be blue. Since the green house is on the left of the white house (4), the person living in the centre house drinks milk (8), and the green house's owner drinks coffee (5), the fourth house must be green and the fifth one must be white. Since the Brit lives in the red house (1) and the Norwegian lives in the leftmost house (9), the leftmost house must be yellow and the centre house must be red. Therefore, the colours of the houses are: YELLOW, BLUE, RED, GREEN, WHITE.

Since the Norwegian from the yellow house smokes Dunhill (7), the man from the blue house must keep a horse (11). The person smoking Blends cannot be in the red house, because this would imply that the person in the green house keeps cats and the Swede keeps dogs in the white house (2, 10). However, in this case the Dane must be drinking tea in the blue house (3) and the person smoking Blends does not have a neighbour drinking water (5), which is a contradiction (15). Also, the person smoking Blends cannot be in the green house, because this would imply that the person in the white house drinks water (15), the Dane lives in the blue house (3), and the German and the Swede live in the last two houses. Since the German smokes Prince (13) and the Swede keeps dogs (2), there is nobody who could smoke Bluemaster and drink beer (12). The person smoking Blends cannot be in the white house either, because this would imply that the person in the green house drinks water (15), when in fact he drinks coffee (5).

Therefore, the person smoking Blends must be in the blue house, and then the German and the Swede must live in the last two houses (2, 13). Since the person who smokes Bluemasters drinks beer (12), this must be the Swede with his dogs in the white house (2). The only option for the person who smokes Pall Mall and raising birds (6) is the red house. Then the Norwegian must keep cats (10) and the German is left with the pet fish in the green house.