1. The Fiat driver has a brother. The Fiat driver's brother does not have a brother. Who is the Fiat driver?
   Answer: ……………………………………………………

2. How will the water level change in a glass with a piece of ice floating in it once it has melted?
   a. will rise
   b. will decrease
   c. will remain unchanged
   d. unknown

3. An areometer is an instrument for measuring the density of liquids.
   Think about and answer which of the three statements about the areometer is true:
   a. in order to measure the density of a liquid on the Moon with an Earth areometer, its scale has to be extended six times because the gravitational acceleration on the Moon's Surface is six times lower than on Earth
   b. an Earth areometer on the Moon is only fit to be thrown away
   c. an Earth areometer can be used perfectly well on the Moon and any planet

4. A customer entered a hat shop and chose a hat for 73 euros. The saleswoman handed over a 100 euro banknote. This one, because she didn't have any change (and neither did the customer), she ran out to the hairdressing salon next door to change the "hundred". After a while, she returned, gave the change, and the satisfied customer left the store. Less than a minute later, the hairdresser came in and complained that the banknote she handed him was fake and, therefore, he deserved 100 euros. The banknote turned out to be false. The deceived saleswoman sat down dejectedly and started counting how much she had lost on the client's dishonesty because she gave him both the hat and the change and now to the hairdresser you have to pay back 100 euros.
   She counts and counts and ultimately does not know how much she has lost. How much is the hat shop's loss?
   a. 173 euro
   b. 100 euro
   c. 127 euro
   d. 200 euro

5. Six boys were given a bag containing six chocolate bars. The boys shared in such a way that each got one bar, yet at the end of the one bar remained in the bag. How did this happen?
   Answer: ……………………………………………………

6. A rope ladder hangs from the side of the ship so that it barely reaches the water surface. The rungs of the ladder are spaced 25 centimetres apart. How many rungs will be underwater when the water rises by 90 centimetres during high tide?

   Answer: ……………………………………………………

7. Of the students in the class:

    50% have black hair,
    25% have blonde hair,
    33% are girls,
    67% are boys.

    Which of the following statements is definitely true?

    a. All blonde students are boys.
    b. Some boys have black hair.
    c. Some of the students with blonde hair are girls.
    d. Both boys and girls have black hair.

8. What color is the black box on an aeroplane?
    a. green
    b. black
    c. red
    d. orange

9. Legend has it that Einstein invented this task:
    5 people live in 5 houses of 5 different colours. They all smoke cigarettes of 5 different brands and drink 5 different drinks. They keep animals of 5 different species.

    Question: Who breeds fish?
    - The Englishman lives in the red house
    - The Dane drinks tea
    - The Norwegian lives in the first house
    - The Rothmans smoker lives next door to the cat breeder
    - The resident of the yellow house smokes Dunhills
    - German smokes Marlboro
    - The resident of the middle house drinks milk
    - Rothmans smoker has a neighbour who drinks water
    - Pall Malli smoker raises birds
    - Swede breeds dogs
    - A Norwegian lives next door to a blue house
    - A horse breeder lives next door to a yellow house
    - Philip Morris smoker drinks beer
    - The green house is to the left of the white house
    - The green house drinks coffee

    a. Sweden
    b. German
    c. Norwegian
    d. Danish
    e. Englishman

10. What numbers will you replace the question marks with?
   a. 9, 15
   b. 28, 22
   c. 9, 22
   d. 17, 33