

Grandpa Pencil's Brainbuster Q and A Sheet # 3

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Question	Answer
1. James is sitting between John and Peter. Philip is sitting on Peter's right. Between whom is Peter sitting ?	James and Philip
2. We have a scale and a set of weights in a paddock. The scale is not very accurate but it is consistent in its inaccuracies. How can we know the exact weight of four oranges ?	If using a balance scale place the oranges in one dish and dirt, to balance, in the other. Remove the oranges and add known weights to the pan to balance. The oranges will be equal to the value of the weights.
3. There is a row of ten glasses. The first five are filled with water and the second five are empty. What is the minimum number of moves needed so that the full and empty glasses alternate ?	Two glasses. Pick up the second glass , pour the contents into the ninth glass and replace it. Pick up the forth glass , pour its contents into the seventh glass and replace it. You have only moved the second and forth glass.
4. Distribute 9 marbles into 4 boxes so that each box contains an odd number of marbles whose number is different to the others. You must use all 9 marbles.	Put one marble in one box, three in another and five in a third then put the three boxes into the forth.
5. What time is it when your clock strikes 13 ?	Time to get a new clock.
6 In a conventional clock how many times does the minute hand pass the hour hand between noon and midnight ?	Ten times.
7. A Roman was born on the first day of the 30 th year before Christ and died the first day of the 30 th year after Christ. How many years did he live ?	He lived 59 years. There is no ' 0' year.
8. A famous composer blew out 18 candles on his birthday cake and then died less than 9 months later. He was 76 at the time of his death and had composed 'The Barber of Seville'. How could this be ?	Gioacchino Rossini was born on February 29, 1792 and died on November 13, 1868.***
9. A man is sentenced to death. Before his execution he is allowed to make a statement. If the statement is false he will be hanged and if it is true he will be drowned. What would he say to confuse the executioner and save his life ?	His statement must be, "I will be hanged." If they want to hang him his statement is true and they can not. He can not be drowned because then his statement would be false and he would have to be hanged. Thus, he lived.
10. A woman has five children and half of them are male. Is this possible ?	Yes. All of her children would have to be boys, however.

*****Note:** 1800 was not a leap year. All years that are dividable by 4 are leap years except those ending in 00. They are only leap years if dividable by 400.