1. If there are 52 cards in a pack, and you draw 1 x Ace, what are the odds that you will draw another Ace? (mathematical thinking is sufficient, rounding etc. not required)

3/51 = 0.0.59

1. Answer the following:

“John is 6 years old; his sister Mary is 3 years old. If John is now 70 years old, how old is Mary?”

67 years old

1. What is the result of the following expression? 5+2\*3

11

1. Why are manhole covers round and not square?

To prevent them from falling into the manhole, if they were square and it place diagonal they pass through, A round shape doesn’t require adjustment to fit as long as the radius fit.

1. Kevin’s mother has 3 children. The first was called Alpha, the second was called Beta. What was the name of the third? Omega
2. A doctor gives you three pills and tells you to take one every half an hour.

How long will the pills last? 1 hour and 30 minutes

1. The ages of a father and son add up to 66. The father's age is the son's age reversed. How old could they be? (3 possible solutions).
2. Father is 51 and son is 15
3. Father is 42 and son is 24
4. Father is 33 and son is 33
5. A girl was ten on her last birthday and will be twelve on her next birthday. How is this possible?

Because she turned 11 on her last birthday

1. A bat and a ball cost $1.10. The bat costs one dollar more than the ball. How much does the ball cost? $0.10
2. If you go to the movies and you're paying, is it cheaper to take one friend to the movies twice, or two friends to the movies at the same time?

It will cost you the same amount.

1. There are 12 kids in a classroom. 6 kids are wearing socks and 4 are wearing shoes. 3 kids are wearing both. How many are bare feet?

2 kids

1. I am four times as old as my daughter. In 20 years’ time I shall be twice as old as her. How old are we now? you : 40, daughter 10