



Terminale - DNL Maths in English - Traps galore

Probability

1. Do you miss me? (1 in 2 chances)

(1 Point)

- Yes
- Yes

2. Do I miss you?

(1 Point)

- Yes
- Yes

3. 1 in 2 chances is equal to...

(1 Point)

- 0,5
- 0.5

4. Pilot wisdom: "Every takeoff is optional. Every landing is mandatory." What about the event "Landing"?

(1 Point)

- This event is certain.
- This event is highly likely.

5. The probability of forgetting something is directly proportional to...

(1 Point)

- the square root of your brain capacity.
- to... uh... oh never mind!

6.If the probability of success is not almost one, it is very near...

(1 Point)

- zero.
- 0.5

7.If there is a 50-50 chance that something can go wrong, then 9 times out of 10 it will.

(1 Point)

- True
- False

8.You are a prisoner sentenced to death. The Emperor offers you a chance to live by playing a simple game. He gives you 50 black marbles, 50 white marbles and 2 empty bowls. He then says, "Divide these 100 marbles into these 2 bowls. You can divide them any way you like as long as you use all the marbles. Then I will blindfold you and mix the bowls around. You then can choose one bowl and remove ONE marble. If the marble is WHITE you will live, but if the marble is BLACK... you will die." How do you divide the marbles up so that you have the greatest probability of choosing a WHITE marble?

(3 Points)

- Place 1 white marble in one bowl, and place the rest of the marbles in the other bowl (49 whites, and 50 blacks).
- Share equally 25 white marbles and 25 black marbles in each bowl.
- Place all white marbles in a bowl and the remaining black marbles in the other bowl.