

Name: _____

PROBABILITY



Task 1

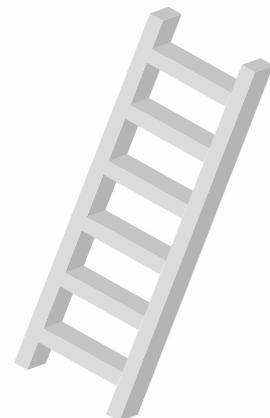
Analyse the following events and classify them as either:
Impossible, Unlikely, Even Chance, Likely or Certain.

1. The sun will rise tomorrow. _____
2. You will find a £50 note on your way to school. _____
3. Flipping a fair coin and it lands on heads. _____
4. It will rain at least once this month in Ireland. _____
5. Rolling an even number on a standard six-sided die. _____
6. Someday you will visit mars. _____
7. You will win the lottery. _____
8. Drawing a red card from a standard deck of cards. _____

Task 2

Think of events in your own life and place them on the 'likelihood ladder'. A few examples have been added already. You should have **two examples** per probability.

| | | |
|-------------|---|--|
| Certain | There will be 7 days in the next week. | |
| Likely | | |
| Even Chance | Flipping a fair coin and getting tails. | |
| Unlikely | | |
| Impossible | | |



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Task 3 - Which is more likely.

For each pair of events below circle the event that you think is more likely to happen. *If you think the likelihood of both events is the same, write "Even Chance".*

- 1 **Event A:** Rolling a **6** on a standard 6-sided dice.
Event B: Rolling an **even number** on the dice.
- 2 Consider a bag with **3 red marbles** and **7 blue marbles**.
Event A: Drawing a **red marble**.
Event B: Drawing a **blue marble**.
- 3 Imagine, you choose a day at random from a week:
Event A: The day is a **weekend day**.
Event B: The day is a **weekday**.
- 4 A spinner is divided into 8 equal sections. 3 sections are green and 5 sections are yellow.
Event A: Landing on a **green section**.
Event B: Landing on a **yellow section**.
- 5 When you toss two fair coins, the probability of getting:
Event A: **Two heads**.
Event B: A **head** and a **tail in any order**.
- 6 Imagine a bag that contains **5 red marbles** and **5 blue marbles**.
Event A: Drawing a **red marble**.
Event B: Drawing a **blue marble**.
- 7 A bag contains 15 marbles: **7 are red**, **4 are blue** and **3 are green**. Compare:
Event A: Drawing a **red** marble.
Event B: Drawing a **blue or green** marble.