

Mathematics
Chapter 4 : Probability
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* 4.1. Probability

Remember



Some events are impossible.

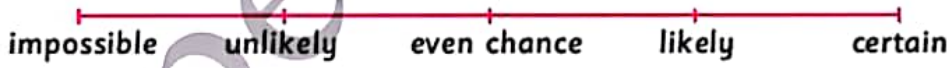


Some events are certain.

An event that is likely to happen is probable.

An event that is unlikely to happen is improbable.

You can use a line to show how likely it is that an event will happen.



Look and learn

- ◆ Probability: a measure of how likely it is that something will happen
- ◆ Likelihood: another word for 'probability'.
- ◆ Chance: if something is impossible, it has no chance of happening; if it will happen; it is certain.

You can use a probability line to show the chances of an event happening.

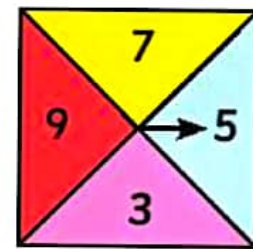
1. What is the likelihood of the following events happening?

Use the words 'likely' and 'unlikely'.

- a) When you roll a dice you will get a number less than 6. **likely**
- b) Someone in your class will lose a shoe this term. **unlikely**
- c) It will rain today. **unlikely**

Make up three statements of your own and say whether they are likely or unlikely.

2. Look at this probability line. Use it to help you answer the following questions.



3. Vincent is using a spinner. What are the chances that:

- a) he scores an odd number? **certain**
- b) he scores an even number? **no chance**
- c) he scores less than 5? **poor chance**
- d) he scores a number greater than 6? **even chance**

4. Write a sentence using each word.

likely **It is likely to be sunny tomorrow.**

unlikely ... **It is unlikely that I will finish all my homework in one hour.**