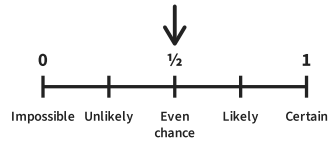


The Probability Scale

ANSWERS

1

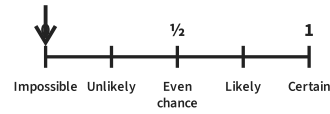
A fair coin lands on heads. How likely is this?



Answer Even chance

2

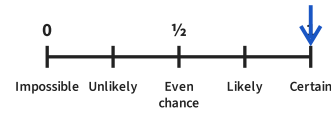
You roll a 7 on an ordinary dice. How likely is this?



Answer Impossible

3

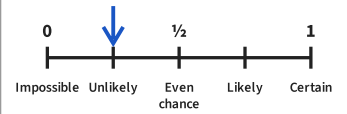
The day after Monday is Tuesday. How likely is this?



Answer Certain

4

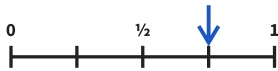
You roll a 6 on a fair dice. How likely is this?



Answer Unlikely

5

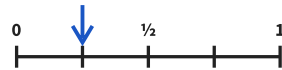
You pick a red counter from a bag of 9 red counters and 1 blue counter. How likely is this?



Answer Likely

6

A spinner with 4 equal sections lands on the one blue section. How likely is this?



Answer Unlikely

7

You pick an even number from the cards 1, 2, 3 and 4. How likely is this?

Answer Even chance

8

You pick a counter that is not green from a bag of 2 green counters and 8 yellow counters. How likely is this?

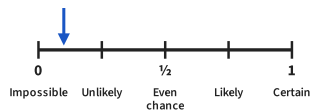
Answer Likely

The Probability Scale *further practice*

ANSWERS

9

A bag holds 1 red counter and 9 blue counters. You take one counter without looking. How likely is it that you take the red counter?

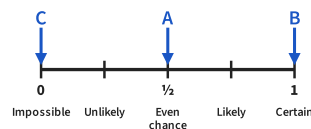


Answer Unlikely

10

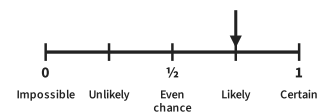
Mark each event on the scale with its letter.

A: a fair coin lands on tails
B: a fair dice lands on a number less than 7
C: you take a blue counter from a bag of 3 red counters



11

The arrow shows how likely an event is. Write the word for this position. Then write an event that could go here.

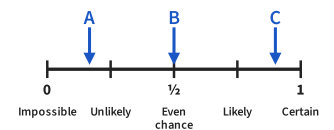


Word Likely
Event for example, a spinner with 3 red sections and 1 blue lands on red

12

Put these events in order, from least likely to most likely.

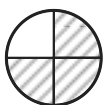
A: a fair dice lands on 6
B: a fair coin lands on heads
C: you take a red counter from a bag of 9 red and 1 blue



Order A, B, C

13

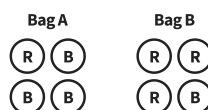
In a game you spin this spinner. You win if it lands on a shaded section. Draw an arrow on the scale to show how likely you are to win.



Answer Likely

14

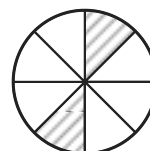
Nia wants to take a red counter (R) without looking. Which bag gives her the better chance? Write a word from the scale for each bag.



Bag A Unlikely
Bag B Likely
Better Bag B

15

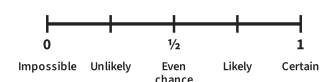
Shade some sections of this spinner so that landing on a shaded section is unlikely.



Shaded 1, 2 or 3 of the 8

16

Lily rolls a fair dice 5 times and never gets a 6. She says it is impossible to roll a 6 on this dice. Is Lily right? Explain.



6 is on the dice, so a 6 is unlikely, not impossible
Answer No