



Mathness!

Chance and probability

Grade 4 math · printable worksheet + answer key

Luna's Space Adventure

Grade 4 · Chance and probability · 4.PS.2

Name _____

Date _____

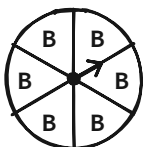


Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

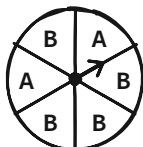
ANSWER KEY

How likely?

Pick one without looking, or spin once. Write impossible, unlikely, equally likely, likely or certain.



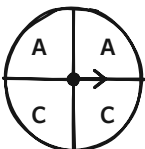
land on B _____



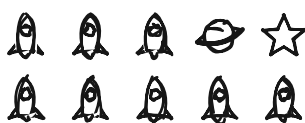
land on A _____



a planet _____



land on C _____

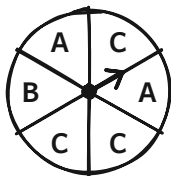


a rocket _____

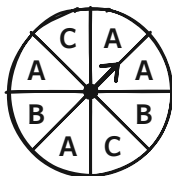


a star _____

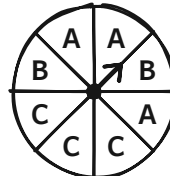
Chance as a fraction Parts landed on ÷ all the equal parts. Write the fraction.



landing on B



landing on C



landing on A

Think it through
mathness.app

A bag has 1 star, 2 planets and 5 rockets. Pick one without looking. Which is more likely, a star or a planet?

Free · answer key included

A spinner has 5 equal parts: 1, 2, 1, 2, 4. List every possible outcome. _____

a planet

Mathness! Math Worksheets · © 2026 Zubin Khavarian A spinner has 5 equal parts: 1, 2, 1, 2, 4. List every possible outcome.

1, 2, 4

Answer key